

**ACADEMIC DIARY
2021-22**



Shri Sharda Bhavan Education Society's
**INDIRA GANDHI (SR.) COLLEGE,
CIDCO, NEW NANDED.**

ESTD : 2000

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)
(NAAC Accredited "B" Grade with CGPA 2.62 & ISO 9001:2015 Certified)

PERSONAL MEMORANDA

Name : Dr. G. S. Patil.

Qualification : M.A. NET. Ph.D.

Designation : Associate Professor & Head.

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P.F. Account Number :

Income Tax PAN Number :

Personal Details :

Family Doctor :

Bank Account Number : 1) Name of Bank :
A/C. No. :
2) Name of Bank :
A/C. No. :

Driving lic. Number : Due on.:

Passport Number : Ren. Date :

Blood Group : 1) Self : 2) Spouse : 3) Children :

Personal Insurance Policy No. : Due on :
Policy No. : Due on :

Home Insurance Policy No. : Due on :

Vehicle Insurance Number : Due on :

Other Specification :

Semester - I, III & V

ANNUAL TEACHING PLAN

Class & Division : B. A. I.
 Paper Title : History of Ancient India
 Paper Number : I (C.H.I.S I)

Subject : HISTORY
 Signature : [Signature]

| 01 Sl No | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|----------------|--|---------------------|---------------------------|-------------------|---------------------------|----|---------------|
| | | Expected Periods | From To | | From To | To | |
| 01 | <u>Sources:</u> a) Archaeological Sources. b) Literary Sources c) Reliability of Importance of sources | <u>12</u> | <u>14/09</u> <u>26/10</u> | <u>10</u> | <u>11/10</u> <u>24/11</u> | | |
| 02 | <u>Stone Age of Indus valley</u> <u>Civilization:</u> a) Stone Age - Various stages b) Indus Valley Civilization i) Discovery ii) Major sites of Excavation iii) Town planning iv) Causes of Decline. | <u>15</u> | <u>27/10</u> <u>27/11</u> | <u>12</u> | <u>24/11</u> <u>15/12</u> | | |
| 03 | <u>Vedic Age:</u> a) Pre Vedic Period: Political Social, Religion & Eco. b) Post Vedic period: Political. | <u>10</u> | <u>28/11</u> <u>20/12</u> | <u>10</u> | <u>15/12</u> <u>03/01</u> | | |

ANNUAL TEACHING PLAN

Class & Division _____

Paper Title _____

Paper Number _____

Subject _____

Signature _____

| 01 S No | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Exhibition | | 05 Remarks |
|---------------|---|---------------------|-------------|-------------------|------------------|-------------|---------------|
| | | Expected Periods | From To | | From To | To | |
| | Social, Religion & Ece | | | | | | |
| 04 | Wardhan Mahavie & Jainism a) Sixteen Mahajanpadas. b) Wardhan Mahavie - Early life c) Teaching & principles. | 10 | 20/12 01/01 | | 10 | 03/01 16/01 | |
| 05 | Gautam Buddha & Buddhism a) Gautam Buddha - Early life b) Teaching & principles. | 10 | 01/01 20/01 | | 08 | 16/01 02/02 | |

ANNUAL TEACHING PLAN

Class & Division : B.A.I

Subject : HISTORY

Paper Title : History of India. (648 to 1520 A.D)

Signature : [Signature]

Paper Number : CHIS II

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|--|---------------------|-------------|-------------------|-------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | <u>Sources:</u> a) Archaeological Sources. b) Literary Sources c) Reliability & Importance of Sources | 10 | 14/09 08/10 | 10 | 11/10 22/11 | |
| 02 | <u>Rashtrakuta, Chalukya & Yadava</u> a) Rashtrakuta :- Dantidurga, Krishna-III Amoghvarsha I, Krishna-III b) Chalukya of Kalayani :- c) Yadava: Bilhama.V. Ramdandadevi Decline of Yadava. | 12 | 09/10 18/11 | 10 | 20/11 14/12 | |
| 03 | <u>Rajput Dynasty:-</u> a) Gujar Pratihar Chohan Solanki b) Decline of Rajput Dynasty. | 12 | 19/11 08/12 | 10 | 14/12 01/01 | |
| 04 | <u>Vijaynagar Empire:-</u> a) Harihar & Bukka. | 10 | 09/12 30/12 | 08 | 01/01 15/01 | |

ANNUAL TEACHING PLAN

Class & Division : B.A. II Subject : Practical History
 Paper Title : Chhatrapati Shivaji Maharaj's Times Signature : Practical
 Paper Number : HIS - I (A) (1630 A.D to 1707 A.D)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|--------------|---|---------------------|-------|-----------------|-------------------|---------------|-------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 01 | Sources for the study of Maratha History a) Literary Sources b) Archaeological sources. c) Reliability of Importance of sources | 10 | 14/09 | 08/10 | 08 | 16/10 | 03/12 |
| 02 | Causes of the Rise of Maratha Power. a) Causes. b) Contribution of Shihaji Raje of Rajmata Jijau. | 12 | 09/10 | 19/11 | 10 | 03/12 | 24/12 |
| 03 | Shivaji Maharaj's Relation with Portugal a) Shahista Khan Episode of Attacon Surok b) Invasion of Polizza Raje Jaising. c) Treaty of Panchdud & visit to Agasa | 12 | 20/11 | 10/12 | 10 | 24/12 | 07/01 |
| 04 | Shivaji Maharaj's Relation with Adilshahi a) Early movement of Shivaji Maharaj | 10 | 11/12 | 01/01 | 10 | 08/01 | 21/01 |

ANNUAL TEACHING PLAN

Class & Division : B. A. III
 Paper Title : History of Modern India.
 Paper Number : (HISI) IX

Subject : History
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|--------------|--|---------------------|-------------|-------------------|-------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | <u>Uprising of 1857.</u> a) Causes. b) Causes c) Consequences. | 10 | 14/09 08/10 | 10 | 11/10 21/10 | |
| 02 | <u>Religion & Social Reform Movement.</u> a) <u>Bambo Samaj</u> b) <u>Prathana Samaj</u> c) <u>Satyashodhak Samaj</u> d) <u>Arya Samaj</u> | 12 | 09/10 18/11 | 12 | 21/10 30/11 | |
| 03 | <u>Indian National Congress:</u> a) <u>Indian Nationalism</u> b) <u>Moderates - Ideology & Achievements</u> i) <u>Mahadev Govind Ranade</u> ii) <u>Dadabhai Naoroji</u> iii) <u>Gopal Krishna Gokhale</u> iv) <u>Ferozshah Mehta</u> | 12 | 19/11 12/12 | 12 | 01/12 22/12 | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Supervisor

Signature

| Sl. No. | Topic / Subtopic | Planning | | % of Marks | % of Periods |
|---------|--|----------|----------|------------|---------------|
| | | From | To | | |
| 01 | 02 | | | | |
| S | | | | | |
| NO | | | | | |
| 04 | Lokmanya Tilak & Extremist Nationalism a) Rise of Extremist Nationalism & Ideology of Extremist. b) Swaraj Congress - 1907 c) Achievement of Extremists. i) Bal Gangadhar Tilak ii) Lala Lajpat Rai iii) Bipin Chandra Pal d) Home Rule Movement. | 13/12 | 20/12 | | |
| | | | | | 12-22/12/2016 |
| 05 | Education & PECS: a) Hunter Commission b) University Act of 1904 c) Vernacular Education Act 1878 d) Lord Ripon's Policy of PECS. | 10/30/12 | 20/12/17 | | |
| | | | | | 10/09/2016 |

ANNUAL TEACHING PLAN

Class & Division :

B.A. I (Sem-II)

Subject :

History

Paper Title :

History of Ancient India (47)

Paper Number :

III

Signature :

S.Patil.

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|-------------|-------------------|-----------------|----|---------------|
| | | Expected Periods | From To | | From | To | |
| 01 | Mauveya Empire: a) Chandragupta Maurya. b) Ashoka c) Causes of Decline of Mauveya Empire. | 12 | 01/02 24/02 | 12 | 23/02 17/03 | | |
| 02 | Satvahana Dynasty: a) Satkarni - I b) Raja Harsh c) Gautamiputra Satakarni. | 10 | 25/02 15/03 | 10 | 18/03 13/04 | | |
| 03 | Gupta Dynasty: a) Chandragupta - I b) Samudragupta c) Chandragupta - II & Golden Age. d) Decline of Gupta Empire. | 12 | 16/03 10/04 | 10 | 14/04 02/05 | | |
| 04 | Vakabaka Dynasty: a) Vindhyashakti | 10 | 11/04 01/05 | 10 | 03/05 10/05 | | |

ANNUAL TEACHING PLAN

Class & Division : B.A. III
 Paper Title : History of Modern India.
 Paper Number : DSE HIS-II (XI)

Subject : History
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|-------------|-------------------|----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | <u>Gandhian Era:</u> a) Mahatma Gandhi. b) Non Cooperation Movement c) Civil Disobedience Movement d) Quit India Movement | 10 | 01/02 24/02 | | 10 02/03 24/03 | |
| 02 | <u>Revolution Movement:</u> a) Causes for Rise of Revolutionary Movement b) Revolutionary Movement in MH, Bengal & Punjab c) Metaji Subhaschandra Bose & Azad Hind Sena. | 12 | 25/02 17/03 | | 10 25/03 11/04 | |
| 03 | <u>Constitutional Development:</u> a) Government of India Act - 1858 b) Morley Minto Act - 1909 c) Montague Chelmsford Act - 1919 d) Government of India Act - 1935 | 12 | 18/03 12/04 | | 12 12/04 21/04 | |

ANNUAL TEACHING PLAN

Class & Division : B. A. III Subject : HISTORY.
 Paper Title : Social Reformers in Maharashtra Signature : S. Patil.
 Paper Number : XII (DSE HRS - II)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|-------|-------|-------------------|-------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| 01 | Dr. Babasaheb Ambedkar a) Early life b) Social work c) Educational work. | 12 | 01/02 | 22/02 | 10 | 05/03 | 26/03 |
| 02 | Kaeravaveer Bhausaheb Patil a) Early life b) Social work c) Educational work | 12 | 23/02 | 15/03 | 10 | 28/03 | 09/04 |
| 03 | Kaeravayagi Baba Amte a) Early life b) Social work c) Skill Based Education | 10 | 16/03 | 08/04 | 10 | 09/04 | 20/04 |
| 04 | Superstition Eradication Movement a) Meaning & Nature b) Types & Challenges | 10 | 09/04 | 03/05 | 10 | 20/04 | 06/05 |

ANNUAL TEACHING PLAN

Class & Division :

B.A. II (Sec)

Paper Title :

Tourism

Subject :

HISTORY

Paper Number :

I (Sem III)

Signature :

[Signature]

| 01 Sl No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|-------|-------|-------------------|------|----------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 01 | Introduction of Tourism a) Definition b) Historical Background. c) Types d) Nature & Scope of Tourism | 12 | 14/09 | 18/10 | | | | |
| 02 | Development of Tourism: a) Purpose and Importance b) Sargent Committee c) Indian Tourism Development Com. d) M.A.H. Tourism Dev. Corporation | 12 | 19/10 | 20/11 | | | 12 11/10 01/12 | |
| 03 | Transport & Accommodation a) Transport - Nature b) Travel Agencies c) Accommodation - Nature & Types d) Importance of Transport and Accommodation. | 12 | 2/11 | 24/12 | | | 12 01/12 03/01 | |
| | | | | | | | 12 04/01 18/01 | |

ANNUAL TEACHING PLAN

Class & Division : B.A. II
 Paper Title : Tourism
 Paper Number : II (Sem - IV)

Subject : History
 Signature : [Signature]

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|----------------|--|---------------------|-------|-----------------|-------------------|---------------|-------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 01 | <u>Caves and Temples</u> a) Caves - Ajanta, Ellora, Shiva, Mahave. b) Temples - Hattay Aundha Nagmath, Pareli Veerjanath | 10 | 01/02 | 28/02 | 10 | 07/03 | 26/03 |
| 02 | <u>Fests in Maharashtra.</u> a) Durgai b) Kandhar c) Mahat d) Vidya | 12 | 29/02 | 04/04 | 12 | 27/03 | 12/03 |
| 03 | <u>Memorials</u> a) Memorials - Bibi ka Maki - bera Giridwara | 12 | 05/04 | 29/04 | 10 | 13/03 | 20/04 |
| 04 | <u>Museums in Maharashtra</u> a) Tar b) Bahadurpur, Mahur c) Atramgebad. | 12 | 30/04 | 26/05 | 12 | 21/04 | 29/05 |

ANNUAL TEACHING PLAN

Class & Division : B.A. III Subject : History
 Paper Title : Appreciation of Art Signature : [Signature]
 Paper Number : III (Sem-V)

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|---|---------------------|-------------|-------------------|-------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | Introduction of Indian Art. a) Meaning & Nature of Art. b) Definition c) Development. d) Characteristics of Indian Art | 15 | 14/09 25/10 | 14 | 14/10 02/12 | |
| 02 | Pre Historic & Proto Historic Art a) Stone Age - Rock Painting Bhimbetka. b) Harappan Art. | 15 | 26/10 05/12 | 14 | 03/12 07/01 | |
| 03 | Caves stupas, Temple & Iconography. a) Caves - Barabar, Kaeli, Patalgiri b) Stupa - Sanchi, Sarnath, Hattay c) Temples - Nagarkhona, Hattay Nilangeshwar, Guptheshwar d) Iconography - Buddha, Jain, Hindu | 15 | 06/12 20/01 | 14 | 08/01 05/02 | |

ANNUAL TEACHING PLAN

Class & Division : B.A. III Subject : History
 Paper Title : Appreciation of A&A Signature : [Signature]
 Paper Number : III (Sem-VI)

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|---------------|-------------------|-----------------|--|---------------|
| | | Expected Periods | From To | | From To | | |
| | 01 World Heritage sites in India a) Elephanta Caves b) Khajuraho Temples c) Hampi d) Ellora Caves | 15 | 01/02 - 14/02 | 15 | 05/02 - 07/04 | | |
| | 02 Medieval Indian Art & Architecture a) Sultanate period - b) Mughal period - c) Maratha period - | 15 | 15/02 - 18/04 | 12 | 08/04 - 28/04 | | |
| | 03 Conservation of Indian Art. a) Role of Archaeology Department b) Role of Researchers & Students c) Role of Museums. | 15 | 18/04 - 26/05 | 14 | 29/04 - 21/05 | | |

[Signature]
Principal

2021-22

PERSONAL MEMORANDA

Name : Dr. Mohakar H.S.

Qualification : MA (Eco, His), B. Ed, NET, M. Phil.

Designation : Asso. Professor

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Phone number & Mobile No. : (Office): 227426 (Residential): 9767573362

P.F. Account Number : -

Income Tax PAN Number : APRPM0396E

Personal Details : -

Family Doctor : -

Bank Account Number : 1) Name of Bank: Bank of Maharashtra
A/C. No.: 6033550655A
2) Name of Bank: -
A/C. No.: -

Driving lic. Number : MH 26 20190012598 Due on: 17/12/2029

Passport Number : - Ren. Date: -

Blood Group O+ : 1) Self : 2) Spouse : 3) Children :

Personal Insurance Policy No. : Due on: -
Policy No. : - Due on: -

Home Insurance Policy No. : - Due on: -

Vehicle Insurance Number : - Due on: -

Other Specification : -

ANNUAL TEACHING PLAN

Class & Division : BA . I Subject : Economics

Paper Title : Micro Economics Signature : [Signature]

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|--|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| X | Unit I Introduction of Economics (A) Definition of Economics - Adam smith - Robins - Nature & scope of Eco. - Significance of Economics | (15) | 20/10/21 30/10/21 | (15) | 20/10/21 01/12/21 | |
| | (B) Micro & Macro Analysis | | | | | |
| * | Unit- II Demand & supply Analysis (A) Demand - Meaning, - Law of Demand Determinant of Demand (B) Elasticity of Demand - Concept and Types of Elasticity | (20) | 01/12/21 31/12/21 | (17) | 02/12/21 30/12/21 | |

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ANNUAL TEACHING PLAN

Class & Division

BA I

Subject

Economics

Page Title

NICKO ECONOMICS

Signature

Amber

Page Number

I

| Sl. No. | Topic / Subtopic | 23 Planning | | 24 Evaluation | | 25 Remarks |
|---------|--|-------------|---------------|---------------|---------------|------------|
| | | Actual Date | From To | Actual Date | From To | |
| | <ul style="list-style-type: none"> * price Elasticity = Income Elasticity = Cross Elasticity (A) Supply - Meaning * Law of supply * Determinants of supply | | | | | |
| | <ul style="list-style-type: none"> * Unit III: Theory of Consumer Behaviour (A) Concept of utility = Law of Diminishing Marginal Utility (B) Indifference curve - Indifference curve Meaning - Indifference curve properties - price line - consumer equilibrium - price income & substitution effect | (23) | 21/02 - 22/02 | (24) | 21/02 - 22/02 | |

ANNUAL TEACHING PLAN

Class & Division

BA I

Subject

Economics

Page Title

Economy of Maharashtra

Signature

Amber

Page Number

II

| Sl. No. | Topic / Subtopic | 23 Planning | | 24 Evaluation | | 25 Remarks |
|---------|---|-------------|---------------|---------------|---------------|------------|
| | | Actual Date | From To | Actual Date | From To | |
| | <ul style="list-style-type: none"> * Unit I: Features of Maharashtra (A) General characteristics of Economy of Maharashtra (B) population (C) Unemployment (D) poverty | (23) | 20/12 - 21/12 | (24) | 20/12 - 21/12 | |
| | <ul style="list-style-type: none"> * Unit II: Agriculture in Maharashtra (A) Role of agriculture in Economy of Maharashtra (B) Agriculture productivity | (23) | 12/02 - 13/02 | (24) | 12/02 - 13/02 | |

ANNUAL TEACHING PLAN

Class & Division : BA-I

Subject : Economics

Paper Title : Economy of Maharashtra

Signature : [Signature]

Paper Number : II

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | - Meaning - Definition - Cause & Policies of - Low productivity | | | | | | | |
| | (1) Green Revolution | | | | | | | |
| | - Meaning - Definition - Factors affecting to green revolution | | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : BA-II

Subject : Economics

Paper Title : Macro Economics

Signature : [Signature]

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|-------|-------|-------------------|-------|-------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| * | Unit-I Introduction to Micro Economics | (16) | 20/21 | 25/21 | (16) | 20/21 | 23/21 | |
| | (1) Nature and scope of Macro Economics | | | | | | | |
| | (2) Basic issues studied in Macro Economics | | | | | | | |
| | (3) Circular flow of Income. | | | | | | | |
| * | Unit II National Income Accounting | (15) | 23/21 | 27/21 | (16) | 24/21 | 21/21 | |
| | (1) Meaning, Features and Importance of National Income Accounting. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : BA - II

Subject : Economics

Paper Title : Macro Economics

Signature : Pratik

Paper Number : VI

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | ② Methods of National Income Accounting and Difficulties in Measurement of National Income | | | | | | | |
| | ③ Concept of Real versus nominal GDP, Depreciation GDP, NNP, personal Income, Disposable Income and per capita Income | | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : BA - II

Subject : Economics

Paper Title : Economics of Development

Signature : Pratik

Paper Number : VI

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| * | Unit I : Economics Develop. and Growth ① Concept of Economic Develop. ② Concept of Economic growth - Indicators of Eco. Growth ③ Difference between Economic Development and Eco. growth. | ⑩ | 20/10/21 | 20/11/21 | ⑩ | 20/10/21 | 20/11/21 | |
| * | Unit II : Theories of Eco. Devt. ① Adam Smith ② David Ricardo ③ Malthus | ⑩ | 15/12/21 | 15/11/21 | ⑩ | 26/11/21 | 11/11/21 | |
| * | Unit III : Theories of Economic Development - II ① Karl Marx ② Rostow ③ Leites. | ⑮ | 16/12/21 | 10/01/22 | ⑮ | 12/12/21 | 15/01/22 | |

ANNUAL TEACHING PLAN

Class & Division : EA - I

Subject : Economics

Paper Title : Economic Development

Signature : [Signature]

Paper Number : II

| Sl. No. | 03 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------|--|-----------------|-------|-------|---------------|-------|-------|------------|
| | | Expected Period | From | To | Actual Period | From | To | |
| 1 | Unit II: Factors of Economic Development (a) Natural Resources (b) Population (c) Savings | (57) | 17/12 | 21/12 | (58) | 17/12 | 21/12 | |
| 2 | Unit II: Government and Economic Development (a) Market Failure / National Social Enterprise / Co-operative sector (b) Budget / Market / Credit / Subsidy (c) Growth / Market / Rural / Urban | (57) | 17/12 | 21/12 | (58) | 17/12 | 21/12 | |

ANNUAL TEACHING PLAN

Class & Division : EA - II

Subject : Economics

Paper Title : Costless Transaction - Set - I

Signature : [Signature]

Paper Number : I

| Sl. No. | 03 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------|---|-----------------|-------|-------|---------------|-------|-------|------------|
| | | Expected Period | From | To | Actual Period | From | To | |
| 1 | Unit II: Nature and significance of Money * Money - Definition * Money - Functions * Evaluation of Money * Characteristics of Money * Functions of Money | (57) | 25/11 | 27/11 | (57) | 25/11 | 27/11 | |
| 2 | Unit II: Evaluation of Bank * Bank - Definition * Evaluation of Bank in India * Classification of Banks * Facilities and problems of opening account | (57) | 25/11 | 11/12 | (57) | 25/11 | 17/12 | |

ANNUAL TEACHING PLAN

Class & Division : BA-II

Subject : Economics

Paper Title : Sec - I (Cashless Transition)

Signature : *[Signature]*

Paper Number : I

| 01 Sl No. | 02 Topic / Subtopic | Expected Periods | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|-----------------|--|---------------------|----------------|-------------|-------------------|-----------------|-------------|---------------|
| | | | From | To | | From | To | |
| 1 | Unit III: Cashless Economy - Naming of cashless Economy - Types & Modes of Payment - Advantage & Disadvantage of cashless Economy - Challenges in Transforming cashless India. | (10) | 15-11 | 15-11 22 | 10 | 15-11 24 | 23-11 22 | |

ANNUAL TEACHING PLAN

Class & Division : BA-II

Subject : Economics

Paper Title : Industrial Economics

Signature : *[Signature]*

Paper Number : IX

| 01 Sl No. | 02 Topic / Subtopic | Expected Periods | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|----------------|-------------|-------------------|-----------------|-------------|---------------|
| | | | From | To | | From | To | |
| 1 | Unit II: Location Theory ① Industrial location - factors affecting on Industrial location - Alfred Weber Theory of Location. ② Multinational Corporation - Meaning - Importance - Advantage & Disadvantage of Multinational Corporation | (10) | 25-10 24 | 24-11 27 | (10) | 25-10 24 | 24-11 24 | |

ANNUAL TEACHING PLAN

Class & Division : BA-III

Subject : Economics

Paper Title : Industrial Economics

Signature : [Signature]

Paper Number : 17

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|----------------|---|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| A | Unit III : Performance and problems of Industries - Large scale Industries Cotton, Textile, Sugar, and Iron and Steel. - Small scale Industries Meaning, Importance Problems and Measures for growth of Small Scale Industries | (15) | 22-11-21 16-12-21 | (15) | 22-11-21 22-12-21 | |

ANNUAL TEACHING PLAN

Class & Division : BA-III

Subject : Economics

Paper Title : Indian Economics

Signature : [Signature]

Paper Number : 18

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|----------------|--|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| A | Unit I : Nature of Economy (1) Meaning and Types of Economy - Capitalist - Socialist - Mixed - Closed & Open Economy (2) Nature and challenges before Indian Economy - Population - Poverty - Unemployment - Function in Agriculture - Inflationary price. | (10) | 22-10-21 30-11-21 | (10) | 22-10-21 26-11-21 | |
| A | Unit II : Sector wise Develop in Indian Economy (1) Role of Agriculture, Industries & Service sector in Indian Economy (2) Human Development Index | (12) | 16-11-21 10-12-21 | (10) | 16-11-21 10-12-21 | |

ANNUAL TEACHING PLAN

Class & Division : BA-III
 Paper Title : Indian Economy
 Paper Number : X

Subject : Economics
 Signature : Rohit

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|-----------------|---|---------------------|------------|-------------------|------------|---------------|----------|--|
| | | Expected Periods | From To | Actual Periods | From To | | | |
| x | Unit II : Economic Planning (1) Economic Planning - meaning, objectives (2) 12th Five Year Plan (3) NITI Commission | (10) | 11-12-21 | 21-12-21 | (10) | 11-12-21 | 01-01-22 | |
| x | Unit IV : Infrastructure (1) Transport (2) Energy (3) Education & Health | (10) | 01-01-22 | 15-01-22 | (10) | 14-01-22 | 22-01-22 | |
| x | Unit V : Economic Reforms in India (1) New Economic Reforms (2) Role of foreign capital in Economic Development (3) Foreign Direct Investment - meaning & policy | (15) | 16-01-22 | 04-02-22 | (15) | 22-01-22 | 05-02-22 | |

ANNUAL TEACHING PLAN


Class & Division : BA-III
 Paper Title : SEC- III (Financial Inclusion and Fin. Literacy)
 Paper Number : III

Subject : Economics
 Signature : Rohit

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|-----------------|---|---------------------|------------|-------------------|------------|---------------|----------|--|
| | | Expected Periods | From To | Actual Periods | From To | | | |
| x | Unit I : Financial Inclusion - Meaning - Definition - Importance - Merits and Demerits - Financial Inclusion in India - Pradhan Mantri Yojana - Pradhan Mantri Suraksha Bima Yojana - Pradhan Mantri Teevan Jit Bima Yojana | (10) | 25-10-21 | 20-10-21 | (10) | 25-10-21 | 30-10-21 | |
| x | Unit - I : Financial Literacy - Meaning, Definition, importance - Financial Planning - The power of Compounding | (10) | 1-12-21 | 22-12-21 | (10) | 01-12-21 | 22-12-21 | |

ANNUAL TEACHING PLAN

Class & Division : BA-III Subject : Finance
 Paper Title : SEC-III (Financial Inclusion and Financial Literacy) Signature : [Signature]
 Paper Number : III

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|--|--------------------|------------------------|------------------------|------------------|------------------------|------------------------|
| | | Expected Period | From | To | Actual Period | | From |
| 16 | Unit- III : Saving & Investment - Difference between saving and investments, objectives - Saving and Investment related products - Investment strategies - how not to lose money | 15 | 27 ⁰² 24 | 28 ⁰² 22 | 16 | 27 ⁰² 22 | 28 ⁰² 22 |
| |  PRINCIPAL Indira Gandhi (Sr.) College CIDCO, New Nanded | | | | | | |

SEM - II

ANNUAL TEACHING PLAN

Class & Division : B.A. II Subject : Economics
 Paper Title : Micro Economics Signature : [Signature]
 Paper Number : III

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|--|--------------------|--------------------------|------------------------|------------------|------------------------|------------------------|
| | | Expected Period | From | To | Actual Period | | From |
| * | (A) Production function: concept of production function, the law of variable proportion, law of returns to scale | 15 | 23 ⁰² 2023 | 15 ⁰² 22 | 16 | 23 ⁰² 22 | 23 ⁰² 22 |
| | (B) Concept of cost & cost curve: without concept of cost - money, real and opportunity cost, cost curve - short & long run. | | | | | | |
| | (C) Concept of Revenue & curve: Total, Average & M.R. Revenue and Revenue curve perfect & Monopoly firm. | | | | | | |
| * | Market structure: (A) Perfect Competition: meaning, character & equilibrium. | 20 | 16 ⁰² 22 | 22 ⁰² 22 | 17 | 16 ⁰² 22 | 23 ⁰² 22 |

ANNUAL TEACHING PLAN

 Class & Division : BA. I (Sem. II)

 Subject : Economics

 Paper Title : Micro Economics

 Signature : [Signature]

 Paper Number : III

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | (D) Monopoly - Meaning characteristics & equilibrium | | | | | | | |
| | (E) Monopolistic comp. - Meaning, characteristics & Group equilibrium. | | | | | | | |
| x | Theory of Distribution | (20) | 23 12 | 25 12 | (13) | 24 12 | 25 12 | |
| | Rent - Ricard & Modern theory of Rent | | | | | | | |
| | Wages - Modern theory of wages & Coll. Bargening | | | | | | | |
| | Interest - Location & liquidity preference theory of Int. | | | | | | | |
| | profit - Uncertainty, and innovation theory of profit. | | | | | | | |

ANNUAL TEACHING PLAN

 Class & Division : BA. I (Sem. II)

 Subject : Economics

 Paper Title : Economy of Maharashtra

 Signature : [Signature]

 Paper Number : IV

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| x | Unit. I : Co-operative Movement in Maharashtra | (20) | 25 12 | 28 12 | (22) | 25 12 | 28 12 | |
| | (A) Co-operative: Defination, Scope, principal of Coopratives. | | | | | | | |
| | - progress of co-operative movement in Maharashtra. | | | | | | | |
| | (B) Co-operative Act: - Act of 1904, Act of 1912, Maharashtra state New co- operative Act- 2013 | | | | | | | |
| | (C) Co-operative Credit in Maharashtra | | | | | | | |
| | - primary Agriculture co- operative Society | | | | | | | |
| | - District Co-operative Bank function & Merits. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : BA - I (Sem. II)

Subject : Economics

Paper Title : Economy of Maharashtra

Signature : Ghatak

Paper Number : IV

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | <u>State co-operative Bank - function & Merits.</u> | | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : BA - II (Sem. IV)

Subject : Economics

Paper Title : Dev. of Eco. & Environment

Signature : Ghatak

Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| * | <u>Unit - I : Economic Dev.: an overview</u> | | | | | | | |
| | <u>(1.1) concept of Less developed countries, characteristics of Less developed countries.</u> | (11) | 25 ⁰² / ₂₂ | 15 ⁰⁹ / ₂₂ | (03) | 23 ⁰² / ₂₂ | 12 ⁰³ / ₂₂ | |
| | <u>(1.2) factors promoting economic development</u> | | | | | | | |
| | <u>(1.3) obstacles of economic development</u> | | | | | | | |
| * | <u>Unit - II : Sectoral View of Development:</u> | | | | | | | |
| | <u>(2.1) Role of Agriculture in Economic Development</u> | (11) | 16 ⁰² / ₂₂ | 09 ⁰⁴ / ₂₂ | (11) | 14 ⁰³ / ₂₂ | 01 ⁰⁴ / ₂₂ | |
| | <u>(2.2) Role of Industries in Eco. Development</u> | | | | | | | |
| | <u>(2.3) Role of Infrastructures in Eco. Development</u> | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : BA - II (Sem. IV)
 Paper Title : Eco. Dev. & Env.
 Paper Number : VIII

Subject : Economics

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|--|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| * | Unit III : Env. & Eco. Develop. - Meaning, Definition & Scope of Environment. - Importance of Env. in Economic Development - Concept and Indicators of Sustainable Dev. | (11) | 01-04-22 | 30-04-22 | (10) | 01-04-22 | 31-04-22 |
| * | Unit IV : Resources of Eco. Dev. - Forest Resources - meaning and importance - water - " - " - Food - " - " | (11) | 02-05-22 | 15-05-22 | (08) | 25-04-22 | 07-05-22 |
| * | Unit V : Pollution and Eco. Develop. - Air pollution - causes, effect and control measures. - Water pollution - " - " - Sound pollution - " - " | (11) | 16-05-22 | 26-05-22 | (07) | 13-05-22 | 25-05-22 |

ANNUAL TEACHING PLAN

Class & Division : BA - II (Sem. IV)
 Paper Title : _____
 Paper Number : SEC - II

Subject : Economics

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|---|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| * | Unit I : Introduction to Research : (1) Research: Meaning, object, Type & significance, Research problem & steps of research | (07) | 25-07-22 | 10-08-22 | (07) | 22-07-22 | 17-08-22 |
| * | Unit II : Techniques of sampling Concept, Methods, Sample survey Method of sampling. | (08) | 12-08-22 | 20-08-22 | (07) | 17-08-22 | 01-09-22 |
| * | Unit III : Data Collection. Data Collection - Meaning, types, Method, Classification, Tabulation & Graph. Presentation | (10) | 01-09-22 | 10-09-22 | (09) | 07-09-22 | 12-09-22 |

ANNUAL TEACHING PLAN

Class & Division : BA-III (Sem. VI)

Paper Title : Public Finance

Paper Number : XII

Subject : Economics

Signature : Arora

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|----------------|---|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| * | Unit I : Public Finance : | (10) | 22 ⁰² / ₂₂ | 12 ⁰³ / ₂₂ | (10) | 25 ⁰² / ₂₂ | 11 ⁰² / ₂₂ | |
| | ① Public Finance - Meaning, Nature, Scope. | | | | | | | |
| | ② Fiscal policy - concept, obje. instrument | | | | | | | |
| * | Unit II Public Revenue : | (10) | 12 ⁰² / ₂₂ | 25 ⁰³ / ₂₂ | (10) | 12 ⁰² / ₂₂ | 01 ⁰⁴ / ₂₂ | |
| | ① Sources of Public Rev. | | | | | | | |
| | ② Taxation | | | | | | | |
| | ③ Goods & service tax | | | | | | | |
| * | Unit-III: Public Debt & Expenditure | (10) | 26 ⁰² / ₂₂ | 10 ⁰⁴ / ₂₂ | (08) | 8 ⁰⁴ / ₂₂ | 23 ⁰⁴ / ₂₂ | |
| | ① public debt | | | | | | | |
| | ② public expenditure | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : BA-III (Sem. VI)

Paper Title : Public Finance

Paper Number : XII

Subject : Economics

Signature : Arora

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|----------------|---|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| * | Unit IV : Budget : | (10) | 11 ⁰² / ₂₂ | 25 ⁰³ / ₂₂ | (08) | 23 ⁰² / ₂₂ | 07 ⁰⁵ / ₂₂ | |
| | ① Budget: Meaning, types & Importance | | | | | | | |
| | ② Deficit financing - components and causes of increasing deficit | | | | | | | |
| * | Unit V Federal Financing : | (05) | 26 ⁰⁴ / ₂₂ | 20 ⁰⁵ / ₂₂ | (08) | 13 ⁰⁵ / ₂₂ | 21 ⁰⁵ / ₂₂ | |
| | ① central - state financial relation in India. | | | | | | | |
| | ② Finance Commission | | | | | | | |
| | ③ overview of recent F. Com. | | | | | | | |

PERSONAL MEMORANDA

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Income Tax PAN Number :
Personal Details :
Family Doctor :
Bank Account Number : 1) Name of Bank :
A/C. No.:
2) Name of Bank :
A/C. No.:
Driving lic. Number : Due on :
Passport Number : Ren. Date :
Blood Group : 1) Self : 2) Spouse : 3) Children :
Personal Insurance Policy No. : Due on :
Policy No. : Due on :
Home Insurance Policy No. : Due on :
Vehicle Insurance Number : Due on :
Other Specification :


ANNUAL TEACHING PLAN

Teacher's Name: Geegayashvi
 & Hydarnad

Subject: _____
 Signature: _____

Date: 15/11/21
 Topic: Introduction to physical Geography

| Sl. No. | Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------|---|------------------|--|----------------|--|------------|
| | | Expected Periods | From To | School Periods | From To | |
| I | (1) Definition, Nature and scope of Physical Geography (2) Branches of physical Geography (3) Importance of study of Phy. Geog. | 10 | 20/10/21 21/10/21 22/10/21 | 10 | 20/10/21 21/10/21 22/10/21 | |
| II | (1) solar system (2) nebular theory of Laplace (3) Tidal Hypothesis | 05 | 22/10/21 23/10/21 24/10/21 | 05 | 22/10/21 23/10/21 24/10/21 | |
| III | (1) continental drift theory (2) Plate tectonic theory | 08 | 25/10/21 26/10/21 27/10/21 | 08 | 25/10/21 26/10/21 27/10/21 | |
| IV | (1) First order - oceanic continents (2) Second order - mountains, plateau, plain (3) Rotation of Earth (4) Revolution of Earth (5) Solar Eclipse and Lunar Eclipse | 10 | 28/10/21 29/10/21 30/10/21 31/10/21 01/11/21 02/11/21 03/11/21 | 10 | 28/10/21 29/10/21 30/10/21 31/10/21 01/11/21 02/11/21 03/11/21 | |


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 Indira Gandhi (Sr.) College
 CIDCO, New Standard

ANNUAL TEACHING PLAN

Class & Division : B.A.S.V. SEME-III Subject : Geography
 Paper Title : Tourism Geography Sec Signature : [Signature]
 Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|------------|-------------------|-----------------|----------|---------------|
| | | Expected Periods | From To | | From To | | |
| I | ① Definition, Nature, Scope and Significance of tourism Geography ② Types of tourists & tourism ③ Environment Laws. | 06 | 29/10/21 | 30/10/21 | 06 | 29/10/21 | 29/10/21 |
| | | 06 | 4/10/21 | 13/10/21 | 06 | 28/10/21 | 26/11/21 |
| | | 03 | 18/10/21 | 20/10/21 | 03 | 27/11/21 | 02/12/21 |
| II | ① communication skills in tourism ② Techniques of advertisement | 07 | 25/10/21 | 4/11/21 | 06 | 03/10/21 | 16/11/21 |
| | | 08 | 9/10/21 | 18/10/21 | 07 | 17/10/21 | 30/11/21 |
| III | ① Destination and transportation booking skills through internet ② Behavioural Study of host and guest of tourist centers. | 08 | 22/10/21 | 7/11/22 | 08 | 01/11/21 | 13/11/22 |
| | | 07 | 21/11/21 | 20/11/22 | 08 | 14/11/22 | 29/11/22 |

ANNUAL TEACHING PLAN

Class & Division :

B.A.T.Y. Sem - V

Paper Title :

Projection and Statistical Methods

Paper Number :

XV

Subject :

Geography

Signature :

[Signature]

Sl. No.

02

Topic / Subtopic

03
Expected Periods

From

To

Actual Periods

04
Execution
From

To

05
Remarks

I. Definition, Classification and construction of projection

II. Properties and uses of projection

III. Zenithal Polar Gnomonic projection

Zenithal Polar Equal Area projection

Conical projection with one standard parallel.

Bonnes projection

| | | | | | | |
|----|----------|----------|----|----------|----------|--|
| 10 | 20/10/21 | 3/11/21 | 02 | 20/10/21 | 27/10/21 | |
| 05 | 10/11/21 | 17/11/21 | 06 | 26/10/21 | 18/11/21 | |
| 07 | 24/11/21 | 1/12/21 | 06 | 24/11/21 | 25/11/21 | |
| 08 | 8/12/21 | 20/12/21 | 09 | 1/12/21 | 8/12/21 | |
| 08 | 29/12/21 | 12/1/22 | 09 | 9/12/21 | 15/1/22 | |
| 07 | 19/1/21 | 9/2/21 | 06 | 22/12/21 | 23/1/22 | |

ANNUAL TEACHING PLAN

Class & Division : M.A.F.Y. seme-

Paper Title : Practical Geography

Paper Number : IV

Subject : Geography

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|---|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | I ① profile - serial, superimposed, projected, composite. ② slope measurements method ③ Degree, Gradient, percentage, Mills ④ Methods of slope Analysis C.K. Wentworth's method G.H. Smith's method Robinson's method | 10 | 22/10/21 | 28/10/21 | 12 | 22/10/21 | 30/10/21 |
| | II ① Interpretation of Topographical maps. | 03 | 30/10/21 | 30/10/21 | 03 | 20/11/21 | 20/11/21 |
| | III ① Prismatic compass survey ② Bowditch methods ③ Dumpy level survey ④ Measurement of Height by Abney level and Indian Clinometer | 06 | 20/10/21 | 28/11/21 | 06 | 26/11/21 | 27/11/21 |
| | IV Field visit | 03 | 27/11/21 | 27/11/21 | 03 | 3/12/21 | 3/12/21 |
| | | 03 | 3/12/21 | 3/12/21 | 03 | 4/12/21 | 4/12/21 |
| | | 15 | 4/12/21 | 18/12/21 | 15 | 10/22/21 | 29/12/21 |
| | | 06 | 24/12/21 | 31/12/21 | 06 | 24/12/21 | 31/12/21 |
| | | 03 | 1/1/22 | 1/1/22 | 03 | 1/1/22 | 1/1/22 |
| | | 03 | 7/1/22 | 7/1/22 | 03 | 7/1/22 | 7/1/22 |
| | | 06 | 8/1/22 | 14/1/22 | 06 | 8/1/22 | 15/1/22 |
| | | 15 | 15/1/22 | 29/1/22 | 15 | | |

[Signature]
PRINCIPAL

ANNUAL TEACHING PLAN

Class & Division : B.A. F.Y. Seme-II

Subject : Geography

Paper Title : Population Geography - I

Signature : [Signature]

Paper Number : V

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|----------------|---|---------------------|-----------------|-------------------|-----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| I | ① Definition, Nature & scope of Pop. Geog. | 08 | 23/2/22-9/3/22 | 08 | 23/2/22-10/2/22 | |
| | ② Population Geog. & other social sci relation | 04 | 10/3/22-4/3/22 | 04 | 14/2/22-17/2/22 | |
| | ③ Importance of study of Pop. Geog. | 03 | 17/3/22-22/3/22 | 03 | 24/2/22-23/2/22 | |
| II | ① Factors affecting on Growth of Popu. | 04 | 23/3/22-29/3/22 | 04 | 25/3/22-28/2/22 | |
| | ② Population Growth in world with special reference to India | 03 | 30/3/22-4/4/22 | 03 | 29/3/22-30/3/22 | |
| | ③ Factors affecting on Distribution of Population | 05 | 5/4/22-12/4/22 | 05 | 31/3/22-7/4/22 | |
| | ④ Distribution of Population in the world with special reference to India | 03 | 13/4/22-18/4/22 | 03 | 8/4/22-12/4/22 | |
| III | ① Demographic Transition theory | 08 | 19/4/22-28/4/22 | 08 | 13/4/22-25/4/22 | |
| | ② Causes and Types of Migration | 07 | 2/5/22-11/5/22 | 07 | 24/4/22-6/5/22 | |
| IV | ① Birth & death rate of population in India | 06 | 12/5/22-19/5/22 | 06 | 9/5/22-14/5/22 | |
| | ② Age & sex composition of population in India | 06 | 23/5/22-28/5/22 | 06 | 15/5/22-19/5/22 | |
| | ③ Literacy in India | 03 | 29/5/22-31/5/22 | 03 | 20/5/22-25/5/22 | |

ANNUAL TEACHING PLAN

Class & Division : B.A.S.Y. seme-IV
 Paper Title : Soil Geography
 Paper Number : SEC-02

Subject : Geography
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|------------|-------------------|------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| I | ① Definition, scope and composition of soil | 06 | 24/2/22 | 5/3/22-06 | 24/2/22 | 5/3/22 |
| | ② Soil as a component of Geography | 03 | 14/3/22 | 12/4/22-03 | 10/3/22 | 12/3/22 |
| | ③ factors affecting soil formation and types of soil. | 06 | 13/3/22 | 30/3/22-06 | 17/3/22 | 1/4/22 |
| II | ① procedure and importance of soil testing | 06 | 1/9/22 | 7/5/22 | 06 | 7/4/22-9/4/22 |
| | ② Biochemical cycles | 02 | | | | |
| | * Carbon cycle | 02 | 7/4/22 | 1/4/22-02 | 16/4/22 | 21/4/22 |
| | * Nitrogen cycle | 02 | 24/4/22 | 24/4/22-02 | 22/4/22 | 28/4/22 |
| | * Phosphorous cycle | 02 | 29/4/22 | 28/4/22-02 | 23/4/22 | 23/4/22 |
| | * Sulphur cycle | 01 | 27/4/22 | 24/4/22-01 | 28/4/22 | 28/4/22 |
| | * Potassium cycle | 02 | 30/5/22 | 25/5/22-02 | 29/4/22 | 29/4/22 |
| III | ① causes of soil pollution and degradation | | | | | |
| | ② Methods and importance of soil conservation | 08 | 4/5/22 | 10/5/22-08 | 30/4/22 | 5/5/22 |
| | | 07 | 17/5/22 | 20/5/22-07 | 07/5/22 | 14/5/22 |

ANNUAL TEACHING PLAN

Class & Division

B.A.T.Y.

Sem - V & VI

Geography

Paper Title

Surveying, use of computer & Village survey

Subject

Paper Number

XVIII Batch - A

Signature

S. H. Bhowmik

Sl. No.

02

Topic / Subtopic

03

Planning

Expected Periods

From To

Actual Periods

04

Execution

From To

05

Remarks

I. Application of computer
in Geography

15

19/4/22 21/5/22

21/5/22 21/5/22

VI. D Glimpse of Remote sensing and GIS and its uses in Geography

15

21/5/22 17/5/22

21/5/22 10/6/22

VII. Excursion or Village survey report or part of City survey Report

15

End of April

21/5/22

ANNUAL TEACHING PLAN

Class & Division : M.A.S.Y. SEM-IV
 Paper Title : Practical Geography
 Paper Number : XVI

Subject : Geography
 Signature : [Signature]

| Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---|------------------|--------------|---------|----------------|---------|---------|------------|
| | Expected Periods | From | | Actual Periods | To | | |
| | | From | To | | From | To | |
| I) Socio-Economic survey | | | | | | | |
| 1) preparation of questionnaires | 06 | 25/2/22 | 26/2/22 | 06 | 4/3/22 | 5/3/22 | |
| 2) Data collection process | 06 | 4/3/22 | 5/3/22 | 06 | 11/3/22 | 12/3/22 | |
| 3) Data Analysis | 06 | 11/3/22 | 12/3/22 | 06 | 19/3/22 | 20/3/22 | |
| 4) Data presentation | 06 | 19/3/22 | 20/3/22 | 06 | 1/4/22 | 8/4/22 | |
| 5) Report writing | 06 | 20/3/22 | 1/4/22 | 06 | 9/4/22 | 16/4/22 | |
| 6) | | | | | | | |
| II) Aerial photography classification | 03 | 8/4/22 | 8/4/22 | 03 | 22/4/22 | 24/4/22 | |
| 1) problems on scale of aerial photo flying height and terrain height | 06 | 9/4/22 | 16/4/22 | 06 | 23/4/22 | 30/4/22 | |
| 2) Meaning & fundamental of Remote sensing | 06 | 22/4/22 | 23/4/22 | 06 | 6/5/22 | 7/5/22 | |
| 3) Application of Remote Sensing | 03 | 29/4/22 | 29/4/22 | 03 | 13/5/22 | 13/5/22 | |
| 4) Interpretation of GIS maps | 03 | 30/4/22 | 30/4/22 | 03 | 14/5/22 | 14/5/22 | |
| III) ① Excursion / Tour | 20 | End of April | 22 | 20 | 08/5/22 | | |

Academic year - 2021-22

PERSONAL MEMORANDA

Name : Dr. Punam S. Sharma

Qualification : M.A. B.Ed. P.h.D. SET

Designation : Asst. Prof.

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Maratha Hotel Nanded

Email Address : Punamshukla51188@gmail.com

Phone number & Mobile No. : (Office) : 9922112298 (Residential) :

P.F. Account Number :

Income Tax PAN Number :

Personal Details :

Family Doctor :

Bank Account Number : 1) Name of Bank :
A/C. No. :
2) Name of Bank :
A/C. No. :

Driving lic. Number : Due on.:

Passport Number : Ren. Date :

Blood Group B+ : 1) Self : 2) Spouse : 3) Children : B+

Personal Insurance Policy No. : Due on :
Policy No. : Due on :

Home Insurance Policy No. : Due on :

Vehicle Insurance Number : Due on :

Other Specification :

ANNUAL TEACHING PLAN

Class & Division : B. A II Year. Sem III

Subject : हिन्दी

Paper Title : ऐच्छिक हिन्दी

Signature : [Signature]

Paper Number : VI

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | अठ अ) निबंध | 45 | | | | | | |
| | 1) मजबूरी और प्रेम - पूर्णसिंह | | 20-1-21 | 27-1-21 | 05 | 20-1-21 | 27-1-21 | |
| | 2) लज्जा और ज्ञानि - रामधन शुक्ल | | 28-1-21 | 17-11-21 | 05 | 29-1-21 | 17-11-21 | |
| | 3) व्यापारे वसति लक्ष्मी - बाबू गुलाबराय | | 18-11-21 | 27-11-21 | 05 | 18-11-21 | 27-11-21 | |
| | 4) देवदारु - लजारी प्रसाद द्विवेदी | | 1-12-21 | 8-12-21 | 5 | 1-12-21 | 8-12-21 | |
| | 5) ईर्ष्या तू न गई मेरे मन से - रामधारी सिंह दिनकर | | 9-12-21 | 17-12-21 | 5 | 9-12-21 | 17-12-21 | |
| | 6) जीवन में साहित्य का स्थान - प्रमथंद | | 18-12-21 | 30-12-21 | 5 | 18-12-21 | 30-12-21 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

[Signature]
PRINCIPAL

Indira Gandhi (Sr.) College
CIDCO, New Nanded

ANNUAL TEACHING PLAN

Class & Division : B.A.Ist Year Sem I

Subject : हिन्दी

Paper Title : द्वितीय भाषा हिन्दी (SL)

Signature : [Signature]

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|---|--------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expeded Periods | From | To | Actual Periods | | From |
| | खण्ड क) कहानी विभाग | 20 | 20-10-21 | 25-10-21 | | | |
| | 1) एक टोपरी घर मिट्टी - माधवराव रात्रे | | | | | | |
| | 2) ठाणूर का सुआ - प्रेमचंद | | 26-10-21 | 29-10-21 | | 26-10-21 | 28-10-21 |
| | 3) गमता - जयशंकर प्रसाद | | 16-10-21 | 18-10-21 | | 16-10-21 | 18-10-21 |
| | 4) गुलफती बग्गो - धर्मवीर भारती | | 22-10-21 | 25-11-21 | | 22-11-21 | 25-11-21 |
| | 5) दार्श. बीद्या जमीन - सुदुला सिन्हा | | 29-11-21 | 1-12-21 | | 29-11-21 | 1-12-21 |
| | 6) सिक्का बदल गया - वृष्णा सोबती | | 2-12-21 | 14-12-21 | | 2-12-21 | 14-12-21 |

ANNUAL TEACHING PLAN

Class & Division : B.A.Ist Year Sem I

Subject : हिन्दी

Paper Title : Second Language (Hindi)

Signature : [Signature]

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|--|--------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expeded Periods | From | To | Actual Periods | | From |
| | खण्ड ख) काव्य विभाग | 20 | 20-12-21 | | | | |
| | 1) बाँधो न नाव इस ठँव बंधु गिराज | | 20-12-21 | 21-12-21 | | 20-12-21 | 21-12-21 |
| | 2) सब्जी, पे गुरसो कलकर जमे - मधिलीशरवा गुप्त | | 22-12-21 | 23-12-21 | | 22-12-21 | 23-12-21 |
| | 3) वीरो का कैसा ठो बसंत - सुभद्राकुमारी चौखन | | 27-12-21 | 29-12-21 | | 27-12-21 | 29-12-21 |
| | 4) दरि छाँस पर कण घर - अज्ञेय | | 30-12-21 | 5-1-22 | | 30-12-21 | 5-1-22 |
| | 5) प्याला - दरि वंराराय बरधन | | 6-1-22 | 12-1-22 | | 6-1-22 | 12-1-22 |
| | 6) भीत नशा गाता हूँ - अरुण बिहारी वाजपेयी | | 12-1-22 | 20-1-22 | | 13-1-22 | 20-1-22 |

ANNUAL TEACHING PLAN

Class & Division : B.A.II year
 Paper Title : S.L Hindi
 Paper Number : I

Subject : (S.L) Hindi
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|---|---------------------|---------|-----------------|-------------------|---------------|--------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | खण्ड ग) प्रयोजनमूलक हिंदी सतत लेखन : प्रारंभ और उद्वेग | 05 | 25-1-22 | 2-1-22 | | 25-1-22 | 3-1-22 | |
| | खण्ड घ) अंतर्गत मूल्यांकन 1) कक्षा परीक्षा 2) स्वाध्याय | 10 | 1-2-22 | 3-2-22 | | 1-2-22 | 3-2-22 | |

ANNUAL TEACHING PLAN

Class & Division : B.A.III year
 Paper Title : हिंदी साहित्य का इतिहास (ऐच्छिक)
 Paper Number : IX

Subject : Hindi
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|---|---------------------|----------|-----------------|-------------------|---------------|----------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | खण्ड क) आदिकाल आदिकाल परिचय आदिकालीन साहित्य की संस्कृत परिस्थितियाँ | | 20-10-21 | 21-10-21 | | 20-10-21 | 20-10-21 | |
| | खण्ड घ) आधुनिक काल परिचय, 1) भारतेंदु युग 2) द्वितीय युग 3) छायावाद | | 23-10-21 | 26-11-21 | | 23-10-21 | 25-11-21 | |
| | | | 27-11-21 | 3-12-21 | | 27-11-21 | 3-12-21 | |
| | | | 4-12-21 | 10-12-21 | | 4-12-21 | 10-12-21 | |
| | | | 11-12-21 | 17-12-21 | | 11-12-21 | 17-12-21 | |
| | | | 24-12-21 | 1-1-22 | | 24-12-21 | 1-1-22 | |

ANNUAL TEACHING PLAN

Class & Division : B.A.I./B.S.C.I SEM II

Paper Title : विविध भाषा हिन्दी (S.L)

Paper Number : II

Subject : हिन्दी
Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|--|---------------------|---------|-----------------|-------------------|-----------------|
| | | Expected Periods | From | To | Actual Periods | |
| | खण्ड का) काका विद्या | 20 | | | | |
| | 1) यह वह भारतवर्ष नहीं: अरुण प्रताप | | 29/3/22 | 31/3/22 | | 28/3/22 31/3/22 |
| | 2) माँ के लिए ससुराल : निर्मला जान से पहले पुत्रुल | | | | | |
| | 3) जब भी औरत ने अपनी : जस्वि सिमा रेखा को पार किया कुरेशी | | 9/3/22 | 21/3/22 | | 9/3/22 21/3/22 |
| | 4) चुनाव : अर्जुन प्रताप सिंह | | 22/3/22 | 22/3/22 | | 22/3/22 22/3/22 |
| | 5) सपना : कर्मगढ़ आर्य | | | | | |
| | 6) मारे माँही : शनेरा जोशी | | 28/3/22 | 30/3/22 | | 28/3/22 30/3/22 |

ANNUAL TEACHING PLAN

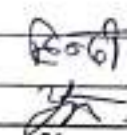
Class & Division : B.A.I./B.S.C.I SEM II

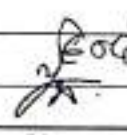
Paper Title : S.L. Hindi

Paper Number : II

Subject : हिन्दी
Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|----------------------------|---------------------|---------|-----------------|-------------------|-----------------|
| | | Expected Periods | From | To | Actual Periods | |
| | खण्ड ग) प्रयोजनमूलक हिन्दी | 05 | | | | |
| | पत्र लेखन :- | | | | | |
| | 1) स्वरूप एवं प्रारूप | | 11/5/22 | 11/5/22 | | 11/5/22 11/5/22 |
| | 2) आवेदन पत्र | | | | | |
| | 3) पारिवारिक पत्र | | | | | |
| | खण्ड घ) अंतर्गत मूल्यांकन | 10 | 17/5/22 | 17/5/22 | | 17/5/22 17/5/22 |
| | कक्षा परिक्षा | | | | | |
| | स्वास्थ्य | | | | | |

| ANNUAL TEACHING PLAN | | | | | | | | |
|---|--|---|---------|---------|-------------------|---------|---------|---------------|
| Class & Division : B.A. II nd SEM II | | Subject : हिन्दी | | | | | | |
| Paper Title : निबंध तथा कथेत्तर गद्य | | Signature :  | | | | | | |
| Paper Number : VIII | | | | | | | | |
| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | पाठ्यक्रम | | | | | | | |
| | खण्ड अ) निबंध | | | | | | | |
| | प्रेवर्तन आस्था पर कोई विद्यागिरास | | 8/1/22 | 6/1/22 | | 20/3/22 | 6/1/22 | |
| | अकंठा नहीं ? मित्र | | | | | | | |
| | 2) नीलकंठ : हरिसंकर परसाई | | 7/4/22 | 9/4/22 | | 7/4/22 | 9/4/22 | |
| | 3) घोड़शाही : सियाराम शरण मुफ्त | | 13/4/22 | 20/4/22 | | 13/4/22 | 20/4/22 | |
| | 4) संघर सुखमय है : श्रीराम परिहार | | 21/4/22 | 23/4/22 | | 21/4/22 | 23/4/22 | |
| | 5) पर्यावरण और सनातन : हरीजन दाहर मेहता | | 27/4/22 | 30/4/22 | | 27/4/22 | 30/4/22 | |
| | 6) पानी पानी शहर : राम खपतर चाहव | | 4/5/22 | 14/5/22 | | 4/5/22 | 14/5/22 | |

| ANNUAL TEACHING PLAN | | | | | | | | |
|---|---|---|---------|---------|-------------------|---------|---------|---------------|
| Class & Division : B.A. II nd SEM II | | Subject : हिन्दी | | | | | | |
| Paper Title : निबंध तथा कथेत्तर गद्य | | Signature :  | | | | | | |
| Paper Number : VIII | | | | | | | | |
| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | खण्ड ब) कथेत्तर गद्य | | | | | | | |
| | 1) सरकर कलम माई पटेल : इंद्रविद्याचर्यस्यति (संस्मरण) | | 25/3/22 | 3/3/22 | | 25/3/22 | 3/3/22 | |
| | 2) अशाफक के नाम पत्र : रामप्रसाद बिस्मिल (पत्र) | | 5/3/22 | 12/3/22 | | 5/3/22 | 12/3/22 | |
| | 3) कलित साहित्य के केंद्र में मानव है : डॉ. छीसा भाई वणकर | | 24/3/22 | 26/3/22 | | 24/3/22 | 26/3/22 | |

ANNUAL TEACHING PLAN

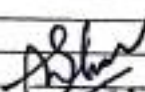
 Class & Division : B.A. IInd sem-II

 Subject : Hindi OPT

 Paper Title : विंशत्यधिके गद्य

 Signature : 

 Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|--|-----------------------------|---------------------|-----------------|-------------------|-----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | शब्दों की अंतर्गत मूल्यांकन | | 18/4/22 21/4/22 | | 18/4/22 21/4/22 | |
| | कक्षा परिक्षा | | 18/4/22 21/4/22 | | 18/4/22 21/4/22 | |
| | सेमिनार | | 11/5/22 11/5/22 | | 11/5/22 11/5/22 | |
|  PRINCIPAL Indira Gandhi (Sr.) College CIDCO, New Nanded | | | | | | |

ANNUAL TEACHING PLAN

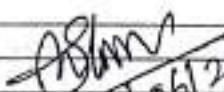
 Class & Division : B.A. III SEM II

 Subject : Hindi (OPT)

 Paper Title : Optional Hindi

 Signature : 

 Paper Number : XI

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---|--------------------------------|---------------------|-----------------|-------------------|-----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | पाठ्यक्रम | | | | | |
| | 1) काव्य की परिभाषा एवं स्वरूप | | 25/2/22 26/3/22 | | 25/2/22 26/3/22 | |
| | 2) काव्य के तत्व | | 3/4/22 04/4/22 | | 3/4/22 04/4/22 | |
| | 3) काव्य के लेख | | 6/5/22 13/5/22 | | 6/5/22 13/5/22 | |
|  01/06/2022 | | | | | | |

2021-22

PERSONAL MEMORANDA

Name : Waghmare Manisha Ramdhasi
Qualification : MA, MEd, MPhil, Set, Net PHD CAP
Designation : Asst Professor
Residential Address : Shivnagar, Nanded
Email Address :
Phone number & Mobile No. : (Office): 9011856280 (Residential):
P.F. Account Number :
Income Tax PAN Number :
Personal Details :
Family Doctor :
Bank Account Number : 1) Name of Bank :
A/C. No.:
2) Name of Bank :
A/C. No.:
Driving lic. Number : Due on :
Passport Number : Ren. Date :
Blood Group B+ : 1) Self : 2) Spouse : 3) Children : 02
Personal Insurance Policy No. : Due on :
Policy No. : Due on :
Home Insurance Policy No. : Due on :
Vehicle Insurance Number : Due on :
Other Specification :

ANNUAL TEACHING PLAN

Class & Division : B.A III Year

Subject : हिंदी

Paper Title : हिन्दी साहित्य का इतिहास

Signature : 

Paper Number : I (Semester) IX (राष्ट्रिय)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|--|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | खण्ड (ख) भाविकाल :- | 20 | | | | | |
| | १. भाविकाल : परिचय | | 20/10/22 | 21/10/22 | | 20/10/22 | 21/10/22 |
| | २. निर्गुण भाक्ति - | | 27/10/22 | 16/12/22 | | 27/10/22 | 16/12/22 |
| | जानाकारी, प्रेमाश्रयी आख्या की प्रवृत्तियाँ :- | | | | | | |
| | ३. समुण भाक्ति - परिचय | | 22/12/22 | 22/12/22 | | 22/12/22 | 22/12/22 |
| | रामभाक्ति , | | 23/12/22 | 05/01/23 | | 23/12/22 | 05/01/23 |
| | कृष्णभाक्ति आख्या की प्रवृत्तियाँ । | | 05/01/23 | 19/01/23 | | 06/01/23 | 19/01/23 |


PRINCIPAL

Indira Gandhi (Sr.) College
GIDCO, New Handee

ANNUAL TEACHING PLAN

Class & Division : BA - III - Year Subject : हिंदी
 Paper Title : हिंदी साहित्य का इतिहास Signature : [Signature]
 Paper Number : IX (ऐच्छिक)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|--|---------------------|----------|-----------------|-------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | |
| | खण्ड (ग) शीतकाल | 05 | | | | |
| | १. शीतकाल : परिचय | | 20/1/22 | 20/1/22 | | |
| | शीतवृद्ध | | 20/1/22 | 21/01/22 | 20/01/22 | 21/01/22 |
| | शीतमिष्ट | | 26/01/22 | | 26/1/22 | 27/01/22 |
| | शीतमूक्त काल्यधार का साहित्य परिचय। | | 21/01/22 | | | 27/01/22 |
| | अंशुति सुधांशु | | | | | |
| | 1) कथा पत्रिका | | 02/02/22 | 02/02/22 | | 02/02/22 |
| | 2) जेमिनार | | 03/02/22 | | | 03/02/22 |

ANNUAL TEACHING PLAN

Class & Division : B.A-II - Year
 Paper Title : कथोत्तर गद्य
 Paper Number : III

Subject : हिंदी (S.L.)
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|--|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | पाठ्यक्रम | 55 | | | | | |
| 1 | श्रुतियों से - स्वामी विवेकानंद | | 16/10/22 | 23/11/22 | | 20/11/22 | 22/11/22 |
| 2 | नायबून वशों बहने है - डा. हजारी प्रसाद द्विवेदी | | 24/11/22 | 30/11/22 | | 24/11/22 | 30/11/22 |
| 3 | औरंगजेब की आखरी रात - रामकृष्ण वर्मा | | 01/12/22 | 08/12/22 | | 01/12/22 | 08/12/22 |
| 4 | प्रवास की आखरी - (आखरी) हमिदराशय बख्शग | | 03/12/22 | 09/12/22 | | 03/12/22 | 09/12/22 |
| 5 | इन्स्पेक्टर मानाहीन चांद पू - - हरिशंकर परसाई | | 16/12/22 | 23/12/22 | | 16/12/22 | 23/12/22 |
| 6 | कहानी के नाम - डॉ. नमवरसिंह पंजाबी | | 27/12/22 | 03/01/23 | | 27/12/22 | 03/01/23 |
| 7 | एक स्त्री राम रही - शिवानी (संस्मरण) | | 24/01/23 | 31/01/23 | | 04/01/23 | 04/01/23 |

ANNUAL TEACHING PLAN

Class & Division : B.A - II - Year
 Paper Title : कथोत्तर गद्य
 Paper Number : IV - (I Semister)

Subject : हिंदी (S.L.)
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|---|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 8 | स्त्री जो महज लकड़ है - (मैथिली) सुधीर फल्गुवा | | 12/10/22 | 19/10/22 | | 12/10/22 | 19/10/22 |
| 9 | पिरंगणा कनकलता बरुआ - - निशा मेदिनी (जयिनी) | | 20/10/22 | 27/10/22 | | 20/10/22 | 27/10/22 |
| 10 | स्वायं और हमारा परावर्तन (विज्ञान) डॉ. एन. एल. रामनाथन | | 31/10/22 | 07/11/22 | | 31/10/22 | 07/11/22 |

ANNUAL TEACHING PLAN

Class & Division : BA - Third Year

Paper Title : आलोचनात्मक

Subject : Hindi (OPT)

Paper Number : XI

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | 2005 (आ) | 20 | | | | | | |
| | आलोचना | | | | | | | |
| 1 | परिभाषा | | 30/03/22 | 06/04/22 | | 30/03/22 | 06/04/22 | |
| 2 | आलोचना के प्रकार - वैद्वान्तिक, ऐतिहासिक, भाव्यविकी, तुलनात्मक | | 07/04/22 | 11/05/22 | | 07/04/22 | 11/05/22 | |
| 1 | अंतर्गत मूल्यांकन | 05 | | | | | | |
| 1 | कक्षा परिक्षा | | 12/05/22 | 12/05/22 | | 12/05/22 | 12/05/22 | |
| 2 | सेमिनार | | 16/05/22 | 19/05/22 | | 18/05/22 | 19/05/22 | |

PERSONAL MEMORANDA

Name : प्रा. डॉ. शंकर विशुते

Qualification : एम. ए. बी एड. सीट पीएच. डी.

Designation : प्राध्यापक (Prob)

Residential Address : आश्रम, (सुंदरविलानगरी),
फर्गुसोना रोड लखनौ नर्सि

Email Address : shankarvishute@gmail.com

Phone number & Mobile No. : (Office) : (Residential) :

P.F. Account Number :

Income Tax PAN Number :

Personal Details :

Family Doctor :

Bank Account Number : 1) Name of Bank :
A/C. No. :
2) Name of Bank :
A/C. No. :

Driving lic. Number : Due on.:

Passport Number : Ren. Date :

Blood Group : 1) Self : 2) Spouse : 3) Children :

Personal Insurance Policy No. : Due on :
Policy No. : Due on :

Home Insurance Policy No. : Due on :

Vehicle Insurance Number : Due on :

Other Specification :

ANNUAL TEACHING PLAN

Class & Division : बी.ए. प्रथम Subject : यंत्र (18)
 Paper Title : अधिक गणित (बी.ए. प्रथम) Signature : (Signature)
 Paper Number : 5

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---------------------------------|---------------------|--------|--------|-------------------|--------|--------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | अक्षांश रेखा - परिचय | 3 | 21 Oct | 21 Oct | 3 | 25 Oct | 28 Oct | NIZ |
| 2 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 25 Oct | 28 Oct | | | | |
| 3 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 29 Oct | 01 Nov | | | | |
| 4 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 01 Nov | 03 Nov | 03 | 02 Nov | 05 Nov | |
| 5 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 06 Nov | 09 Nov | 03 | 07 Nov | 10 Nov | |
| 6 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 12 Nov | 15 Nov | 03 | 14 Nov | 17 Nov | |
| 7 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 29 Nov | 01 Dec | 03 | 29 Nov | 01 Dec | |
| 8 | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 26 Dec | 29 Dec | 03 | 26 Dec | 29 Dec | |
| | आणविक बल रसायन शक्ति - अक्षांश. | 3 | 29 Dec | 01 Jan | 03 | 29 Dec | 01 Jan | |


 Date: _____

ANNUAL TEACHING PLAN

Class & Division : बी.ए. प्रथम
 Paper Title : भाषा (देवनागरी)
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|--|--------------------|------------------|-------------------|------------|---------------|
| | | Expos'd Periods | From To | Actual Periods | From To | |
| | भाषा विभागा | | | | | |
| ① | शमयाक्षी सादर वहेवे - रीत सावता माळी. | 03 | 20, 21, 22 Dec | 20 | 22 Dec | - |
| ② | बिकट वाट बहिवार नशाची - अर्जत फुटी | 03 | 23, 27, 28 Dec | 23, 27, 28 | Dec | - |
| ③ | आदिपती आठवण - माधव सुक्रियन | 03 | 29, 30 Dec 31 | 29 | 30 Dec | - |
| ④ | माणसा इथे मी तुझे गीत वहावे - नामनादा कडक | 03 | 3, 4, 5 Jan | 3, 4, 5 | Jan | - |
| ⑤ | उतराई - गीतिका काळे | 03 | 6, 10, 11 Jan | 6 | 10, 11 Jan | - |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|----------------|-----|-------------------|------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| | (क) की पुस्तकी रसमिखिनी उमाई | 03 | 12, 13, 17 | Jan | 12, 13, 17 | Jan | |
| | - काी.. / डि. कु. ख.. | | | | | | |
| | (ख) सुसूच्यवारायणी | 03 | 18, 19, 20 | Jan | 18, 19, 20 | Jan | |
| | - काी. शो. महानोड | | | | | | |
| | (ग) शूण आनी जात | 03 | 17, 18, 19 | Jan | 17, 18, 19 | Jan | |
| | - स्वाती शिंदे - पवार | | | | | | |
| | उपचोडिल मराठी | | | | | | |
| | (1) प्रगत मराठी लेखनाचे मजुस्वारमिखिणुड | 05 | 19, 20, 24, 25 | Jan | 19, 20, 24, 25 | Jan | |
| | निप्रस | | | | | | |
| | (2) शाखांच्यज जाती. | 06 | 15, 17, 18 | Jan | 15, 17, 18 | Jan | |

ANNUAL TEACHING PLAN

Class & Division : बी. ए. प्रथम
 Paper Title : इतिहास
 Paper Number : I

Subject : इतिहास
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|----------------------------------|---------------------|---------------------|-------------------|---------------------|-------------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 1 | इ. ए. प्रथम इतिहास | 03 | 25, 26, 29 Oct | 25 | 26, 29 Oct | |
| 2 | इतिहास विषय मंडल व प्रयोग | 03 | 30 Oct 01, 2 Nov | 03 | 30 Oct 1, 1 Nov | 15 मिनट 6 मिनट |
| 3 | आदिवासी जीवन - वामन चोरधर | 03 | 6, 15, 16 Nov | 03 | 15, 16 Nov | |
| 4 | मोघल साम्राज्य - वि. ए. कांडेकर | 03 | 20, 22, 23 Nov | 03 | 20, 22, 23 Nov | |
| 5 | विद्रोही आंदोलन - अ. वि. कांडेकर | 03 | 26, 27, 29 Nov | 03 | 26, 27, 29 Nov | |
| 6 | विद्रोही आंदोलन - अ. वि. कांडेकर | 03 | 30 Nov 3, 4, Dec | 03 | 30 Nov 3, 4, Dec | |
| 7 | आदिवासी जीवन - अ. वि. कांडेकर | 03 | 6, 7, 10 Dec | 03 | 6, 7, 10 Dec | |

ANNUAL TEACHING PLAN

Class & Division : _____ Subject : _____

Paper Title : _____ Signature : _____

Paper Number : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------------|--------------------------------------|---------------------|----------------|-----------------|-------------------|----------------|------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 8 | निवर्तित - आगिरा जिरा | 03 | 11, 13, 14 Dec | | 03 | 11, 13, 14 Dec | |
| 9 | उत्पत्ति-यं दिते - शिरामि (उत्पत्ति) | 03 | 20, 21, 24 Dec | | 03 | 20, 21, 24 Dec | |
| 10 | वाग्दानी - आगिरा | 03 | 27, 28, 31 Dec | | 03 | 27, 28, 31 Dec | |
| 11 | एतत् कीजापत्ति - रत्ना के जा | 03 | 3, 4, 7 Jan | | 03 | 3, 4, 7 Jan | |
| 12 | एतत् - शिरामि रत्ना | 03 | 7, 8, 10 Jan | | 03 | 7, 8, 10 Jan | |
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ANNUAL TEACHING PLAN

Class & Division :
 Paper Title :
 Paper Number :

वी.ए. विज्ञानी
 मराठी नाटकांचा साहित्य

Subject :
 Signature :

२२/१०/१९

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | | | |
|-----------------|--|---------------------|----------|-----------------|-------------------|---------------|------|----------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | | From | To | | |
| ① | नाट्य नाट्यांचा प्रकार : आठवट | ०३ | २५,२६,२७ | ०७ | ०३ | २५,२६,२७ | ०७ | २५,२६,२७ | ०७ | |
| ② | मराठी नाटकांचा परंपरा | ०३ | २८,२९,३० | ०७ | ०३ | २८,२९,३० | ०७ | २८,२९,३० | ०७ | १७,१८,१९ नव ५ |
| ③ | मराठी नाटकांचा रंगभूमीची वीज | ०३ | १५,१६,१७ | ०७ | ०३ | १५,१६,१७ | ०३ | १५,१६,१७ | ०३ | |
| ④ | नाट्य - पद्यप्रकारांचा विचार मराठी नाटकांचे | ०३ | २०,२१,२२ | ०७ | ०३ | २०,२१,२२ | ०३ | २०,२१,२२ | ०३ | |
| ⑤ | मराठी नाटकांचा स्वरूप | ०३ | २५,२६,२७ | ०७ | ०३ | २५,२६,२७ | ०३ | २५,२६,२७ | ०३ | ०१,०२,०३ Dec |
| ⑥ | नाटकांचा साहित्य | ०३ | ०१,०२,०३ | ०७ | ०३ | ०१,०२,०३ | ०३ | ०१,०२,०३ | ०३ | ६,७,८ Dec |
| ⑦ | नाटकांचा साहित्य - आठवट | ०३ | ०६,०७,०८ | ०७ | ०३ | ०६,०७,०८ | ०३ | ०६,०७,०८ | ०३ | १५,१६,२० Dec |

ANNUAL TEACHING PLAN

Class & Division : _____ Subject : _____

Paper Title : _____ Signature : _____

Paper Number : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|-----------------------------------|---------------------|----------------|-------------------|----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 8 | संस्था :- संस्था | 03 | 15, 16, 20 Dec | 03 | 21, 22, 23 Dec | |
| 9 | संस्थागत कार्य - शिक्षण केंद्र | 03 | 24, 25, 26 Dec | 03 | 27, 28, 29 Dec | |
| 10 | विद्यार्थी शिक्षण - 0990 | 03 | 27, 28, 29 Dec | 03 | 30, Dec 3 Jan | |
| 11 | विद्यार्थी शिक्षण - 0990 | 03 | 4, 5, 6 Jan | 03 | 4, 5, 6 Jan | |
| 12 | विद्यार्थी शिक्षण | 03 | 10, 11, 12 Jan | 03 | 10, 11, 12 Jan | |
| 13 | विद्यार्थी शिक्षण - शिक्षण | 03 | 13, 14, 15 Jan | 03 | 13, 14, 15 Jan | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|----------------|-------------------|----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| (14) | SAHAJ : SAHJAY | 03 | 19, 20, 24 Jun | 03 | 19, 20, 24 Jun | |
| (15) | SAHAJAY SAHJAY SAHJAY ? | 03 | 25, 27, 31 Jun | 03 | 25, 27, 31 Jun | |
| (16) | SAHJAY / SAHJAY SAHJAY - SAHJAY SAHJAY | 03 | 1, 2, 3 Feb | 03 | 1, 2, 3 Feb | |
| (17) | SAHJAY SAHJAY SAHJAY | 03 | 4, 5, 6 Feb | 03 | 23, 24, 27 Feb | |
| (18) | SAHJAY SAHJAY SAHJAY | 03 | 9, 10, 11 Feb | 03 | 28, 29, 23 Mar | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|----------------|----|-------------------|----------------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| (19) | അളവിലിനിയ നിശ്ചയനം - മരണ പ്രിയതി | 03 | 15, 16, 17 Feb | | 03 | 4, March | | |
| (20) | കുടിലാദി : സഭയ്ക്ക് | 03 | 20, 21, 22 Feb | | 03 | 20, 21, 22 Feb | | |
| (21) | ഓരോരുത്തരുടെയും ജീവിതം - ജീവിതത്തിന്റെ നിയമം | 03 | 24, 25, 26 Feb | | 03 | 24, 25, 26 Feb | | |
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ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|--------------|-----------------------------|---------------------|---------------|-------------------|-----------------|--------|---------------|
| | | Expected Periods | From | | To | From | |
| 8 | पारम्पर्य / आधुनिक प्रयोग | 03 | 17, 18, Dec | 03 | 17 Dec | 18 Dec | |
| 9 | शोधकर्ता विचार | | | | | | |
| 10 | अभियंता, व्यवस्था, व्यवस्था | 03 | 16, 24 Dec | 03 | 18 Dec | 24 Dec | |
| 11 | साहित्यिक भाषा | 03 | 24, 27 Dec | 03 | 26 Dec | 31 Dec | |
| 12 | साहित्यिक भाषा | 03 | 31 Dec, 1 Jan | 03 | 31 Dec | 1 Jan | |
| 13 | 2 साहित्यिक भाषा | 03 | 1 Jan, 7 Jan | 03 | 1 Jan | 7 Jan | |
| | | 03 | 7 Jan, 8 Jan | 03 | 7 Jan | 8 Jan | |
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ANNUAL TEACHING PLAN

Class & Division : _____ Subject : _____
Paper Title : _____
Paper Number : _____ Signature : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|------------------------|---------------------|----------------|-------------------|----------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | ਸ਼ਿਕਸ਼ਾ ਅਤੇ ਸਿਖਣ | 03 | 18, 19, 20, 21 | 03 | 18, 19, 20, 21 | |
| 02 | ਸਿਖਣ, ਸਿਖਣ - ਸਿਖਣ | 03 | 17, 18, 19, 20 | 03 | 17, 18, 19, 20 | |
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ANNUAL TEACHING PLAN

Class & Division : 2A. @. 23121 Subject : JKK
 Paper Title : ചിത്രകലയിലെ അളവുകൾ Signature : [Signature]
 Paper Number : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks | |
|------------------|---|---------------------|---------------|----|-------------------|------|---------------|----|
| | | Expected Periods | From | To | Actual Periods | From | | To |
| | | | | | | | | |
| 1 | ചിത്ര രചന | 03 | 25.06.2021 | 07 | 25.06.2021 | 01 | | |
| 2 | ചിത്ര അളവുകൾ (ചിത്രം, ചിത്ര, അളവുകൾ) | 03 | 28.07.2021 | 03 | 28.07.2021 | | | |
| 3 | ചിത്ര അളവുകൾ (ചിത്രം, ചിത്ര, അളവുകൾ) | 03 | 15.16.10.2021 | 03 | 18.23.24.2021 | | | |
| 4 | ചിത്ര അളവുകൾ (ചിത്രം, ചിത്ര, അളവുകൾ) | 03 | 25.24.2021 | 03 | 25.29.30.2021 | | | |
| 5 | ചിത്ര അളവുകൾ (ചിത്രം, ചിത്ര, അളവുകൾ) | 10 | 30.11.2021 | 10 | 30.11.2021 | Dec | | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------------|-----------------|-------------------|----------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| 6 | 31181117 मध्ये - 418-424 | 03 | 22, 23, 24 Dec | | 03 | 22, 23, 24 Dec | |
| 7 | 311103 (341, 426) | 10 | 28, 29, 30 Dec | | 10 | 28, 29, 30 Dec | |
| 8 | 31480 वेगवेगळे | 03 | 3, 4, 5 Jan | | 03 | 3, 4, 5 Jan | |
| 9 | 31480 वेगवेगळे (341, 417, 418, 419) | 03 | 6, 10, 11 Jan | | 03 | 6, 10, 11 Jan | |
| 10 | 31500 वेगवेगळे (418, 419) | 03 | 12, 17, 18 Jan | | 03 | 12, 17, 18 Jan | |
| 11 | 31500 वेगवेगळे (418, 419) | 10 | 19, 20, 24 Jan | | 10 | 19, 20, 24 Jan | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks | | |
|------------------|------------------------|---------------------|------------|------|-------------------|------------|---------------|----|-----|
| | | Expected Periods | From | To | Actual Periods | From | | To | |
| 12 | Maths and Geography | 03 | 25, 27, 31 | July | 03 | 25, 27, 31 | 23 | | |
| 13 | Maths : Algebra | 10 | 1, 2, 3 | Feb | 10 | 1, 2, 3 | Feb | 20 | Feb |
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PRINCIPAL
 Indira Gandhi (Sr.) College
 CIDCO, New Nanded

सप्त दुबरे

23.02.2022

ANNUAL TEACHING PLAN

Class & Division :

बि.ए. प्रथम

Paper Title :

मराठी साहित्य (म.उ.)

Paper Number :

III

Subject : Marathi

Signature : 

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|-------------------------------|---------------------|-----------------|-------------------|------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 1 | चरित्र म्हणजे काय ! . | 2 | 23.02.22 - 24.2 | | | |
| 2 | चरित्र साहित्य म्हणजे काय ! . | 2 | 28.2 | 2.3 | | |
| 3 | अंगुली मावशी दामोदर | 3 | 3.3.22 | 7.8.22 | | |
| 4 | डॉ. शिवाजी महाराजंचे पुण्यदिन | 3 | 9.10.22 | 21.11.22 | | |
| 5 | आदिपुरुष स्वर्गाभिषेक | 3 | 22.12.22 | 24.1.23 | | |
| 6 | आदिपुरुष म्हणजे काय ? | 2 | 28.1.23 | | | |
| 7 | आदिपुरुष साहित्यकारांचे वैभव | 2 | 30.3.23 | | | |
| 8 | पावनाई - | 3 | 4.5.23 | 6.6.23 | | |
| 9 | दोन साधने | 3 | 7.18.23 | 17.10.23 | | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks |
|------------------|------------------------|---------------------|------------|--------|-------------------|------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| (10) | ਮੁੱਲਾਂ ਦੀ ਗਿਣਤੀ | 3 | 20, 21, 25 | ਕੋਲੰਬ | | | |
| (11) | ਸਮਾਂ | 3 | 26, 27, 28 | ਕੋਲੰਬ | | | |
| (12) | ਸਮਾਂ | 2 | 29, 30 | ਕੋਲੰਬ | | | |
| (13) | ਸਮਾਂ | 3 | 1, 4, 5 | ਮੁੱਲਾਂ | | | |
| (14) | ਸਮਾਂ | 2 | 6, 7 | ਮੁੱਲਾਂ | | | |
| (15) | ਸਮਾਂ | 2 | 8, 9 | ਮੁੱਲਾਂ | | | |
| (16) | ਸਮਾਂ | 3 | 11, 12, 13 | ਮੁੱਲਾਂ | | | |
| (17) | ਸਮਾਂ | 2 | 14, 17 | ਮੁੱਲਾਂ | | | |
| (18) | ਸਮਾਂ | 3 | 18, 19, 20 | ਮੁੱਲਾਂ | | | |

ANNUAL TEACHING PLAN

Class & Division : बी.ए./बी.एड. एकेडमी यश
 Paper Title : साहित्यशास्त्र
 Paper Number : 1

Subject : 42181
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|-----------------------------------|---------------------|---------------|-------------------|------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | राज्य विभागा | | | | | |
| 1 | संस्कृत - संस्कृत मिस्रसुद्ध | 2 | 23, 24 मई | | | |
| 2 | राजा - कौटिली सत्यार्थ | 2 | 28 मई - 2 जून | | | |
| 3 | समय सुखे उद्ये - भारत सरकार | 2 | 3, 4 जून | | | |
| 4 | चरितोत्तर - विजयपुराण मठ | 2 | 7, 8 जून | | | |
| 5 | गोदण्डवर्णन संस्कृत - नरसिंह लोचन | 2 | 9, 10 जून | | | |
| 6 | मंथन सुभाषित - राजा राज | 2 | 14, 15 जून | | | |
| 7 | आदि सुभाषित - राम राम | 2 | 15, 17 जून | | | |
| 8 | ईद - मोक्ष काल | 2 | 21, 22 जून | | | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks |
|--------------|---|------------------|--------|--------|-----------------|------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| | ପଢ଼ା ବିଷୟ | | | | | | |
| ① | ପଢ଼ା ଉପରବନ୍ଧନ - ଦୁର୍ଗାପୂଜା | 2 | ୧୩, ୧୪ | ୧୩, ୧୪ | | | |
| ② | ଅଭିଯୋଗୀ ପ୍ରକଳ୍ପ - ପ୍ର. ଅ. ଅ. ରେଖା | 2 | ୧୫, ୧୬ | ୧୫, ୧୬ | | | |
| ③ | ସାମାଜିକ ଗଠନ ବିଷୟ ଉପରବନ୍ଧନ | 2 | ୨୦, ୨୧ | ୨୦, ୨୧ | | | |
| ④ | ଡା. ଶ୍ରୀମତୀଙ୍କ ଉପରବନ୍ଧନ - ଡା. ଅ. ଅ. ପାଠ୍ୟ | 2 | ୨୨, ୨୩ | ୨୨, ୨୩ | | | |
| ⑤ | ଅଭିଯୋଗୀ ଉପରବନ୍ଧନ - ଉପରବନ୍ଧନ | 2 | ୨୪, ୨୫ | ୨୪, ୨୫ | | | |
| ⑥ | ଉପରବନ୍ଧନ - ଅଭିଯୋଗୀ ଉପରବନ୍ଧନ | 2 | ୨୬, ୨୭ | ୨୬, ୨୭ | | | |
| ⑦ | ଅଭିଯୋଗୀ - ଅଭିଯୋଗୀ ଉପରବନ୍ଧନ | 2 | ୨୮, ୨୯ | ୨୮, ୨୯ | | | |
| ⑧ | ଉପରବନ୍ଧନ - ଅଭିଯୋଗୀ ଉପରବନ୍ଧନ | 2 | ୩୦, ୩୧ | ୩୦, ୩୧ | | | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|-------------------------|---------------------|----------|-----------------|-------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | |
| ① | विद्युत आवेश - बल | 2 | 19.02.20 | 20.02.20 | | |
| ① | विद्युत क्षेत्र | 04 | 21.02.20 | 25.02.20 | | |
| ② | विद्युत धारा | 04 | 26.02.20 | 30.02.20 | | |
| ③ | विद्युत चुम्बकीय प्रेरण | 07 | 29.03.20 | | | |
| ④ | विद्युत चुम्बकीय तरंग | 07 | | | | |
| ⑤ | विद्युत चुम्बकीय प्रेरण | 10 | | | | |

ANNUAL TEACHING PLAN

Class & Division : वि.ए. विद्यार्थी (म.व.) Subject : मराठी
 Paper Title : विद्युत विद्युत विद्युत Signature : [Signature]
 Paper Number : _____

| 01 Sl. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|-------------------------|------------------|------------|-----------------|---------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 1 | विद्युत विद्युत विद्युत | 2 | 23, 24, 25 | | | |
| 2 | विद्युत विद्युत विद्युत | 2 | 28, 29, 30 | | | |
| 3 | विद्युत विद्युत विद्युत | 2 | 7, 8 | | | |
| 4 | विद्युत विद्युत विद्युत | 2 | 9, 10 | | | |
| 5 | विद्युत विद्युत विद्युत | 2 | 14, 15 | | | |
| 6 | विद्युत विद्युत विद्युत | 3 | 16, 17 | | | |
| 7 | विद्युत विद्युत विद्युत | 2 | 24, 25 | | | |
| 8 | विद्युत विद्युत विद्युत | 3 | 23, 24 | | | |
| 9 | विद्युत विद्युत विद्युत | 2 | 28, 29 | | | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---------------------------|---------------------|------------------|-------------------|------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 10 | ਸਰਕਾਰੀ - ਤਿਆਰੀ 21/09 | 3 | 30, 31 ਅਕਤੂਬਰ | | | |
| 11 | ਵਿਦਿਆਰਥੀ ਸਮੇਲ | 2 | 4, 5 ਨਵੰਬਰ | | | |
| 12 | ਸਮੇਲ - ਸੰਗਠਨ ਪੈਰੋਲ | 3 | 6, 7, 8 ਨਵੰਬਰ | | | |
| 13 | ਵਿਦਿਆਰਥੀ ਸਮੇਲ | 2 | 11, 12 ਨਵੰਬਰ | | | |
| 14 | ਸਮੇਲ - ਵਿਦਿਆਰਥੀ ਸਮੇਲ | 3 | 13, 16 ਨਵੰਬਰ | | | |
| 15 | ਵਿਦਿਆਰਥੀ ਸਮੇਲ | 2 | 18, 19 ਨਵੰਬਰ | | | |
| 16 | ਸਮੇਲ ਵਿਦਿਆਰਥੀ - ਸਮੇਲ ਸਮੇਲ | 3 | 20, 21, 22 ਨਵੰਬਰ | | | |
| 17 | ਵਿਦਿਆਰਥੀ ਸਮੇਲ | 2 | 25, 26 ਨਵੰਬਰ | | | |
| 18 | ਸਮੇਲ ਵਿਦਿਆਰਥੀ (ਵਿਦਿਆਰਥੀ) | 3 | 27, 28, 29 ਨਵੰਬਰ | | | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|------------------------|---------------------|------|----|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 19 | Зичгууицгэ элсгэд | 2 | 20 | 21 | | | | |
| 20 | Фэйлэ - гаалий элсгэд | 3 | 21 | 23 | | | | |
| 21 | Уулсууд үзэгдэл | 2 | 23 | 24 | | | | |
| 22 | Алслагч | 3 | 24 | 26 | | | | |
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ANNUAL TEACHING PLAN

Class & Division : ଅ.ପ. ଚାରିମ'
 Paper Title : ମାଧ୍ୟମିକ ଓ ମାଧ୍ୟମିକ
 Paper Number : ୪୫

Subject : ମାଧ୍ୟମିକ
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|--------------|--------------------------|------------------|------------|-----------------|---------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| ① | ଅନୁରଣ ଶକ୍ତି | 03 | ୧୫, ୨୬, ୩୫ | | | |
| ② | ଅନୁରଣ ସିଦ୍ଧାନ୍ତ | 03 | ୨୬, ୩୫ | | | |
| ③ | ଅନୁରଣ ମୂଲ୍ୟ ଏବଂ ଶକ୍ତି | 03 | ୪, ୫, ୩୩ | | | |
| ④ | ଅନୁରଣ ପରିବର୍ତ୍ତନ ଶକ୍ତି | 03 | ୫, ୧୧, ୩୩ | | | |
| ⑤ | ଅନୁରଣ ପରିବର୍ତ୍ତନ - ଶକ୍ତି | 03 | ୧୧, ୧୨, ୩୩ | | | |
| ⑥ | ଅନୁରଣ ପରିବର୍ତ୍ତନ - ଶକ୍ତି | 03 | ୧୯, ୩୩ | | | |
| ⑦ | ଅନୁରଣ ପରିବର୍ତ୍ତନ ଶକ୍ତି | 03 | ୧୫, ୨୬, ୩୩ | | | |
| ⑧ | ଅନୁରଣ ପରିବର୍ତ୍ତନ - ଶକ୍ତି | 03 | ୨୬, ୩୩, ୩୩ | | | |

ANNUAL TEACHING PLAN

Class & Division : _____
 Paper Title : _____
 Paper Number : _____

Subject : _____
 Signature : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|--------------|--------------------------|------------------|-------------|-----------------|------|----|---------------|
| | | Expected Periods | From To | Actual Periods | From | To | |
| 9 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 1, 2, 3 | | | | |
| 10 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 8, 9 | | | | |
| 11 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 16 | | | | |
| 12 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 22, 23 | | | | |
| 13 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 27, 28 | | | | |
| 14 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 03 | 29, 30 | | | | |
| 15 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 02 | ନିର୍ଦ୍ଧାରିତ | | | | |
| 16 | ଅନୁସନ୍ଧାନ ବିଷୟ: ଚାନ୍ଦିନୀ | 04 | ଅନୁସନ୍ଧାନ | | | | |

ANNUAL TEACHING PLAN

Class & Division : 07.0.2318J Subject : 7-318J
 Paper Title : අධ්‍යයනීය කාර්යය: වගකිවයුත්ත Signature : [Signature]
 Paper Number : 544

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|------------------|-------------------------------|----------------|-------------------|-------------------|-----------------|----|---------------|
| | | From | To | | From | To | |
| 01 | අධ්‍යයනීය කාර්යය | 03 | 03, 04 | | | | |
| 02 | අධ්‍යයනීය කාර්යය : වගකිවයුත්ත | 03 | 28 වන දින | | | | |
| 03 | අධ්‍යයනීය කාර්යය | 03 | 3, 7, 8 වන දින | | | | |
| 04 | අධ්‍යයනීය කාර්යය | 03 | 9, 10 වන දින | | | | |
| 05 | අධ්‍යයනීය කාර්යය | 05 | 14, 15 වන දින | | | | |
| 06 | අධ්‍යයනීය කාර්යය | 05 | 28 වන දින | | | | |
| 07 | අධ්‍යයනීය කාර්යය - වගකිවයුත්ත | 05 | 04, 09, 10 වන දින | | | | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|------------------------|---------------------|----------|----------|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 8 | अणु - अणु संरचना | 05 | 15 नवंबर | 20 नवंबर | | | | |
| 9 | अणु संरचना | 03 | 25 नवंबर | 28 नवंबर | | | | |
| 10 | अणु संरचना | 04 | 1 नवंबर | 5 नवंबर | | | | |
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PERSONAL MEMORANDA

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Income Tax PAN Number : BJLPK7886F
Personal Details :
Family Doctor :
Bank Account Number : 1) Name of Bank :
A/C. No.:
2) Name of Bank :
A/C. No.:
Driving lic. Number : Due on.:
Passport Number : Ren. Date :
Blood Group : 1) Self : 2) Spouse : 3) Children :
Personal Insurance Policy No. : Due on :
Policy No. : Due on :
Home Insurance Policy No. : Due on :
Vehicle Insurance Number : Due on :
Other Specification :

ANNUAL TEACHING PLAN

Class & Division : B.Sc. First Year

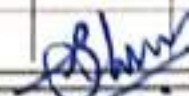
Subject : Chemistry

Paper Title : Organic & Inorganic Chemistry

Signature : B. Chand

Paper Number : I

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|-----------------|---|---------------------|------|-----------------|-------------------|---------------|----------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| 01 | Nomenclature of organic compound | 07 | | | 07 | 16-10-21 | 22-10-21 | |
| | - Functional group and type | | | | | | | |
| | - Basic rule of IUPAC name | | | | | | | |
| | - Nomenclature of organic compound | | | | | | | |
| | - Nomenclature of aromatic comp. | | | | | | | |
| 02 | Basic concept in organic chem. | 09 | | | 07 | 23-10-21 | 19-11-21 | |
| | - Substrate, Reagent & its types | | | | | | | |
| | - Bond fission | | | | | | | |
| | - Study of carbocation, carbanion, Free radical | | | | | | | |
| | - Study of carbene, nitrene, aryne | | | | | | | |
| | - Inductive effect in detail. | | | | | | | |
| | - mesomeric effect in detail. | | | | | | | |
| | - Hyperconjugation in detail. | | | | | | | |
| 03 | Alkane, Alkene & Alkyne | 08 | | | 06 | 20-11-21 | 6-12-21 | |
| | - Introduction, preparation of alkene | | | | | | | |
| | - Chemical reaction of alkane | | | | | | | |
| | - preparation of alkene | | | | | | | |
| | - Chemical reaction of alkene | | | | | | | |


Principal

ANNUAL TEACHING PLAN

Class & Division : B.Sc. First year

Subject : Chemistry

Paper Title : Organic + Inorganic Chemistry

Signature : *[Signature]*

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | - Introduction, preparation of alkyne | | | | | | | |
| | - chemical reaction of alkyne. | | | | | | | |
| 4 | cycloalkane, cycloalkene and Diene. | 06 | | | 06 | 7.12.24 | 17.12.24 | |
| | - Introduction, preparation of cycloalkane | | | | | | | |
| | - Baeyer strain theory, Ring opening rean ⁿ with H ₂ and HI. | | | | | | | |
| | - Introduction, preparation of cycloalkene | | | | | | | |
| | - Chemical reaction of cycloalkene | | | | | | | |
| | - Introduction, classification and preparation of Diene | | | | | | | |
| | - Chemical reaction of Diene. | | | | | | | |
| 5 | Periodic table and periodic properties. | 10 | | | 08 | 18.12.24 | 28.12.24 | |
| | - Modern periodic table, Long form of periodic table. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. First Year

Subject : Chemistry

Paper Title : Organic + Inorganic Chemistry

Signature : B. Gaud

Paper Number : I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|----------|--------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | - General characteristic of s, p, d and f block element | | | | | | | |
| | - Definition, explanation of atomic size and ionic radius | | | | | | | |
| | - variation of atomic size. | | | | | | | |
| | - Definition and explanation of ionization energy | | | | | | | |
| | - Application of ionization energy. | | | | | | | |
| | - Definition & Application of electron affinity, variation of electron affinity. | | | | | | | |
| | - Electronegativity - Definition and Application. | | | | | | | |
| 6. | Noble gas chemistry | 05 | | | 05 | 31.12.21 | 8.1.22 | |
| | - Electronic configuration | | | | | | | |
| | - comp. of inert gas | | | | | | | |
| | - Prep ⁿ , properties, str. of XeF ₂ | | | | | | | |
| | - prep ⁿ , properties, str. of XeF ₄ | | | | | | | |
| | - prep ⁿ , properties of str. of XeF ₆ | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. First year

Subject : Chemistry

Paper Title : Physical + Inorganic chemistry

Signature : [Signature]

Paper Number : II

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|--|------------------|------------|-----------------|------------|---------------|
| | | Expected Date | From To | Actual Date | From To | |
| 5 | S-block element - General characteristics of s-block element. - Diagram relationship with Li & Mg. - Oxide, Hydride of group I & II element - carbonate and bicarbonate of I & II element - complex of alkali metal - complex of alkaline earth metal | 10 | | 10 | 10.1.22 | |
| 6 | oxidation and Reduction - definition of oxidation, Reduction, oxidising agent, Reducing agent - classical concept, electronic concept, oxidation no. concept. - Balancing Redox reaction by ion-electron method, - Balancing redox reaction by oxidation no. method. | 05 | | 04 | 21.1.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. Second year

Subject : Chemistry

Paper Title : Organic + Inorganic chemistry

Signature : 

Paper Number : VI

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 01 | Name react ⁿ of Aldehyde & ketone | 12 | | | 08 | 16-12-21 | 28-10-21 | |
| | - Aldol condensation | | | | | | | |
| | - Benzoin condensation | | | | | | | |
| | - Knoevenagel reaction | | | | | | | |
| | - Mannich reaction | | | | | | | |
| | - Perkin reaction | | | | | | | |
| | - Reformatsky reaction | | | | | | | |
| | - Clemmensen reduction | | | | | | | |
| | - mpv reduction | | | | | | | |
| | - Reduction using LiAlH_4 | | | | | | | |
| | - Baeyer-Villiger oxidation | | | | | | | |
| | - Oppenauer oxidation | | | | | | | |
| 2 | Aromatic carboxylic acid and Sulphonic acid. | 06 | | | 04 | 29-10-21 | 11-2-21 | |
| | - prep ⁿ , reaction of benzoic acid | | | | | | | |
| | - prep ⁿ , reaction of Anthranilic acid | | | | | | | |
| | - prep ⁿ , react ⁿ of Salicylic acid | | | | | | | |
| | - prep ⁿ , reaction of phthalic acid | | | | | | | |
| | - Introd ⁿ prep ⁿ of benzoic acid | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B. sc. second year

Paper Title : Organic Physical + Inorganic Chemistry

Subject : Chemistry

Paper Number : VI

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|------|----|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | - chemical reaction of benzoic acid | | | | | | | |
| 3. | Introd ⁿ to organometallic comp. | 03 | | | 02 | 2.12.21 | 3.12.21 | |
| | - preparation, chemical reaction of grignard reagent. | | | | | | | |
| | - preparation, chemical reaction of alkyl lithium. | | | | | | | |
| | - preparation of organozinc comp. | | | | | | | |
| B | organic synthesis via enolate | 04 | | | 03 | 8.10.21 | 10.12.21 | |
| | - claisen condensation with mechanism. | | | | | | | |
| | - keto-enol tautomerism. | | | | | | | |
| | - synthetic application of EAA. | | | | | | | |
| 4. | oil, fats, soap & Detergents | 05 | | | 05 | 15.11.21 | 21.12.21 | |
| | - Hydrolysis, Hydrogenation, hydrogenolysis of oil & fat | | | | | | | |
| | - Trans-esterification, Rancidity analysis of fat & oil. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B. sc. second Year

Paper Title : Organic Physical + Inorganic Chemistry

Paper Number : VI

Subject : Chemistry

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|----------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| - | manufacture of Soap by kettle process, Hydrolyser process. | | | | | | | |
| - | cleaning action of soap. | | | | | | | |
| - | classification of synthetic detergents | | | | | | | |
| - | Synthetic detergents versus soaps | | | | | | | |
| - | Soft versus Hard detergents | | | | | | | |
| V | Theory of Qualitative analysis | 09 | | | 08 | 23.12.21 | 12.1.22 | |
| - | Definition, types, acidic and basic radical. | | | | | | | |
| - | Role of sodium extract | | | | | | | |
| - | Interfering radical, removal of interfering radical. | | | | | | | |
| - | use of solubility product, common ion effect and complex ion form ⁿ . | | | | | | | |
| - | separation of IIA & IIB, II & IIIB | | | | | | | |
| - | separation of IIIA & IIIB group. | | | | | | | |
| - | Separation of Zn^{2+} & Mn^{2+} , Co^{2+} & Ni^{2+} , Fe^{3+} & Al^{3+} , Cu^{2+} & Cd^{2+} | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. Second Year

Paper Title : Organic + Inorganic Chemistry

Subject : Chemistry

Paper Number : VI

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|--|---------------------|------|-----------------|-------------------|---------------|------|
| | | Expected Periods | From | To | Actual Periods | | From |
| - | Use of organic reagent in qualitative analysis. | | | | | | |
| B | Non-aqueous solvent | 06 | | | 04 | 13.1.22 | |
| - | Classification of solvent, water as universal solvent | | | | | | |
| - | Physical properties of solvent. | | | | | | |
| - | Reaction in liq. NH ₃ as non-aqueous solvent. | | | | | | |
| - | Reaction in liq. SO ₂ as non-aqueous solvent | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : B.Sc. Second year

Paper Title : Physical + Inorganic chem.

Subject : Chemistry

Paper Number : VII

Signature : D. Paul

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|------|----|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 5 | Nuclear chemistry | 10 | | | | | | |
| | - composition of nucleus, classification of nuclides | | | | | | | |
| | - Nuclear stability, N/Z ratio, magic no., packing fraction | | | | | | | |
| | - mass defect, nuclear binding energy | | | | | | | |
| | - Nuclear fission reaction, nuclear fuel, plutonium bomb. | | | | | | | |
| | - Nuclear fusion reaction, energy of sun, hydrogen bomb. | | | | | | | |
| | - Defn of radioactivity | | | | | | | |
| | - Application of radioactivity | | | | | | | |
| 6 | Theory of Gravimetric Analysis | 05 | | | | | | |
| | - Defn, steps involved in analysis | | | | | | | |
| | - precipitation, condition | | | | | | | |
| | - Factor affecting precipitation | | | | | | | |
| | - Different steps involved in gravimetric analysis. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic + Inorganic Chem.

Subject : Chemistry

Paper Number : XII

Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 01 | Heterocyclic compounds | 06 | | | 06 | 16-10-21 | 26-10-21 | |
| | - Introduct ⁿ , nomenclature, classification | | | | | | | |
| | - molecular orbital picture of furan, pyrrole, thiophene | | | | | | | |
| | - General mechanism of electrophilic substitution | | | | | | | |
| | - Synthesis and chemical reaction of furans | | | | | | | |
| | - Synthesis and chemical reaction of pyrrole | | | | | | | |
| | - Synthesis and chemical reaction of thiophene. | | | | | | | |
| 2. | Six membered Heterocycles :- | 04 | | | 03 | 27-10-21 | 16-11-21 | |
| | - General mech. of electrophilic and Nucleophilic Substitution | | | | | | | |
| | - preparation and chemical reaction of pyridine | | | | | | | |
| | - Nucleophilic substitution reaction of pyridine | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. T. Y.

Paper Title : Organic + Inorganic Chem.

Paper Number : XII

Subject : Chemistry

Signature : 

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|---|---------------------|------|----|-------------------|----------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 3. | Synthetic Drugs and Dyes | 10 | | | 10 | 17.11.21 | 3.12.21 | |
| | - Definition, qualities of good drug. | | | | | | | |
| | Classification of drug. | | | | | | | |
| | - Pharmacodynamic agent. | | | | | | | |
| | - Chemotherapeutic agent. | | | | | | | |
| | - Synthesis and uses of paracetamol | | | | | | | |
| | Sulphanilamide, Aspirin. | | | | | | | |
| | - Synthesis and uses of Benzocaine | | | | | | | |
| | Isoniazide, Sulphadiazine. | | | | | | | |
| 3 | Synthetic Dyes :- | | | | | | | |
| | - Introduction, qualities of good dye | | | | | | | |
| | classification | | | | | | | |
| | - Witts theory, Armstrong theory. | | | | | | | |
| | - Synthesis and uses of methyl | | | | | | | |
| | orange and congo red. | | | | | | | |
| | - Synthesis and uses of malachite | | | | | | | |
| | green, crystal violet | | | | | | | |
| | - Synthesis and uses of phenolphthalein | | | | | | | |
| | fluorescein dye. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic + Inorganic Chem

Subject : Chemistry

Paper Number : XII

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|------|-----------------|-------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | |
| 4. | Alkaloid, vitamins & pesticides | 10 | | | | |
| - | Introd ⁿ , classification, general properties. | | | | | 13.12.21 |
| - | Determination of chemical constitution of alkaloid | | | | | |
| - | constitution of nicotine | | | | | |
| - | constitution of ephedrine | | | | | |
| - | Synthesis of nicotine & ephedrine | | | | | |
| → | <u>Vitamin</u> :- | | | | | |
| - | Introd ⁿ classification | | | | | |
| - | source, structure & deficiency disease of vitamin. | | | | | |
| → | <u>Pesticides</u> :- | | | | | |
| - | Introd ⁿ , classification | | | | | |
| - | Synthesis of DDT, Gammexene | | | | | |
| - | Synthesis of malathion, carbaryl | | | | | |
| - | Synthesis of chloranil, Alachor: | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic + Inorganic chemistry

Subject : Chemistry

Paper Number : XII

Signature : B. S. S.

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks | | | |
|------------------|--|---------------------|------|----|-------------------|----------|---------|---------------|--|--|--|
| | | Expected Periods | From | To | Actual Periods | From | To | | | | |
| → | Unit - V Coordination compound | 10 | | | 09 | 28.12.21 | 10.1.22 | | | | |
| - | Intro ⁿ , double salt, coordination compound. | | | | | | | | | | |
| - | Basic terms in coordination comp. | | | | | | | | | | |
| - | Nomenclature of coordination comp. | | | | | | | | | | |
| - | Werner theory of coordination comp. | | | | | | | | | | |
| - | Ext. Verification of Werner theory | | | | | | | | | | |
| - | Chelating agent classification | | | | | | | | | | |
| - | Isomerism - structural isomer- | | | | | | | | | | |
| - | Stereoisomerism. | | | | | | | | | | |
| - | EAN of metal complex. | | | | | | | | | | |
| → | Unit VI :- chem. of element in medicine | 05 | | | 03 | 11.1.22 | 13.1.22 | | | | |
| - | Introduction | | | | | | | | | | |
| - | Chelation therapy | | | | | | | | | | |
| - | Cancer treatment | | | | | | | | | | |
| - | Anti-Arthritis drug | | | | | | | | | | |
| - | Imaging agent | | | | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Physical + Inorganic chem.

Subject : Chemistry

Paper Number : XIII

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|--|---------------------|------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | → organometallic compound | 09 | | | 03 | 17.1.22 | 19.1.22 |
| | - Def ⁿ , nomenclature, classification | | | | | | |
| | - prep ⁿ , properties and Str. of Organolithium. | | | | | | |
| | - prep ⁿ , properties and Str. of ferrocene. | | | | | | |
| | VI metal carbonyl | 06 | | | | 20.1.22 | 27.01.22 |
| | - Definition, classification | | | | | | |
| | - prep ⁿ , properties and Str. of Nickel tetracarbonyl | | | | | | |
| | - Nature of bonding in metal carbonyl | | | | | | |
| | - Structure of $Fe_2(CO)_9$, $Fe_3(CO)_{12}$, $Co_4(CO)_{12}$, $Co_2(CO)_8$. | | | | | | |

[Signature]

Principal

Indira Gandhi Sr. College
CIDCO, NEW NANDED

ANNUAL TEACHING PLAN

Class & Division : B.Sc. F.Y.

Subject : Chemistry

Paper Title : Organic & Inorganic Chem

Signature : P. B. D.

Paper Number : III

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|---------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 01 | Aromatic Hydrocarbon & Aromaticity | 09 | 23.2.22 | | 07 | 23.2.22 | 8.3.22 | |
| - | Introd ⁿ , nomenclature, Kekule, Resonance structure of benzene | | | | 01 | 23.2.22 | 23.2.22 | |
| - | Huckel theory with example | | | | | | | |
| - | Nitration, Halogenation react ⁿ of benzene with mechanism. | | | | 01 | 28.2.22 | 28.2.22 | |
| - | Friedel-Craft Alkylation & Acetylation of benzene with mechanism. | | | | 01 | 4.3.22 | 4.3.22 | |
| - | Activating and deactivating group. Nitration of phenol with mech. | | | | 02 | 5.3.22 | 5.3.22 | |
| - | Nitration of nitrobenzene with mech. | | | | 01 | 7.3.22 | 7.3.22 | |
| - | Nitration of toluene & cresolbenzene with mechanism. | | | | 01 | 8.3.22 | 8.3.22 | |
| 02 | phenols | 05 | | | 03 | 11.3.22 | 14.3.22 | |
| - | Introd ⁿ , classification, acidic char of phenol. | | | | 01 | 11.3.22 | 11.3.22 | |
| - | Reimer-Tiemann reaction, Acetylation | | | | 01 | 12.3.22 | 12.3.22 | |
| - | Fries rearrangement, Kolbe's react ⁿ | | | | 01 | 14.3.22 | 14.3.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. F.Y.

Subject : Chemistry

Paper Title : Organic & Inorganic Chem

Signature : *Pradip*

Paper Number : III

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|-----------------|--|---------------------|------|-----------------|-------------------|---------------|---------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| 3. | Haloketone & Haloarene | 06 | | | 04 | 15.3.22 | 22.3.22 | |
| | - Haloketone :- prep ⁿ & chemical reaction of vinyl carbonyl | | | | 01 | 15.3.22 | 15.3.22 | |
| | - prep ⁿ & chemical reaction of alkenyl carbonyl | | | | 01 | 15.3.22 | 19.3.22 | |
| | - Synthesis of haloarene via Markovnikov synthesis | | | | 01 | 21.3.22 | 21.3.22 | |
| | - Relative reactivity of alkyl halide vs vinyl & aryl halide towards nucleophilic substitution reaction. | | | | 01 | 22.3.22 | 23.3.22 | |
| 4 | carboxylic acid derivatives | 05 | | | 04 | 25.3.22 | 29.3.22 | |
| | - Preparation & chemical reaction of acid chloride | | | | 01 | 25.3.22 | 25.3.22 | |
| | - preparation & chemical reaction of acid anhydride | | | | 01 | 26.3.22 | 26.3.22 | |
| | - preparation & chemical reaction of ester | | | | 01 | 28.3.22 | 28.3.22 | |
| | - prep ⁿ & chemical reaction of amide | | | | 01 | 29.3.22 | 29.3.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. F.Y.

Paper Title : organic & inorganic chem - III

Subject : Chemistry

Paper Number : III

Signature : B. Adar

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remark |
|------------------|--|---------------------|------|----|-------------------|---------|---------|--------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 5. | Alcohol & Epoxides | 05 | | | | | | |
| - | Preparation & chemical reaction of dihydric alcohol | | | | 01 | 1.4.22 | 5.4.22 | |
| - | Prepn & chemical reaction of trihydric alcohol. | | | | 01 | 1.4.22 | 1.4.22 | |
| - | Preparation of epoxide | | | | 01 | 4.4.22 | 4.4.22 | |
| - | Ring opening rean of epoxide in acidic & basic medium. | | | | 01 | 5.4.22 | 5.4.22 | |
| 6. | Study of p-block element | 05 | | | | | | |
| - | Variation of atomic radius, IE, electron affinity, electronegativity. | | | | 01 | 8.4.22 | 12.4.22 | |
| - | Variation of metallic character, mp, Bp, oxidising & reducing properties. | | | | 01 | 8.4.22 | 8.4.22 | |
| - | Variation of acidic & basic char of hydroxide | | | | 01 | 9.4.22 | 9.4.22 | |
| - | Diagonal relationship betn B & Si | | | | 01 | 11.4.22 | 11.4.22 | |
| | | | | | 01 | 12.4.22 | 12.4.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. F.Y.

Paper Title : Physical & Inorganic chem

Subject : Chemistry

Paper Number : IV

Signature : Basdar

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|--|---------------------|------|-----------------|-------------------|---------------|---------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | Chemical Bonding - I | 10 | | | 08 | 18.4.22 | 2.5.22 | |
| - | Ionic bond :- Def ⁿ , explanation, Factor affecting, Energy change | | | | 01 | 18.4.22 | 18.4.22 | |
| - | Lattice energy & Born-Haber cycle, Fajans rules. | | | | 01 | 22.4.22 | 22.4.22 | |
| - | Covalent bonding :- Def ⁿ , explanation sigma & pi bond. | | | | 01 | 23.4.22 | 23.4.22 | |
| - | Valence bond theory of covalent bonding & its limitation | | | | 01 | 25.4.22 | 25.4.22 | |
| - | metallic bonding: Def ⁿ , explanation Free electron theory | | | | 01 | 26.4.22 | 26.4.22 | |
| - | Factor affecting on metallic properties | | | | 01 | 29.4.22 | 29.4.22 | |
| - | Van der Waal bonding :- Def ⁿ , explanation, type of van der Waal force | | | | 01 | 30.4.22 | 30.4.22 | |
| - | Hydrogen bonding :- Def ⁿ , explanation Type of hydrogen bonding | | | | 01 | 2.5.22 | 2.5.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.S.C. P.Y.

Subject : Chemistry

Paper Title : Physical & Inorganic chemistry

Signature : Pradeep

Paper Number : IV

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | Chemical Bonding - II | | | | 05 | 6.5.22 | 13.5.22 | |
| | - concept of hybridization - Defn, explanation | 05 | | | 04 | 6.5.22 | 6.5.22 | |
| | dsp^2 - $[Ni(CN)_4]^{2-}$ | | | | | | | |
| | sp^3d - PCl_5 | | | | 01 | 7.5.22 | 7.5.22 | |
| | sp^3d^2 - SF_6 | | | | | | | |
| | sp^3d^3 - IF_7 | | | | 2 | | | |
| | - VSEPR theory :- postulates, explanation, Application to CH_4 , NH_3 , H_2O , Limitation | | | | 01 | 9.5.22 | 9.5.22 | |
| | - molecular orbital theory :- Basic principle of MOT, LCAO, Bonding & antibonding MO, Energy level diagram. | | | | 01 | 10.5.22 | 10.5.22 | |
| | - molecular orbital diagram of H_2 , N_2 , O_2 , Ne_2 & CO . | | | | | 12.5.22 | 13.5.22 | |
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ANNUAL TEACHING PLAN

Class & Division : B. sc. S.Y.

Subject : Chemistry

Paper Title : Organic & Inorganic chem

Signature : B. Padam

Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 01 | stereochemistry | 10 | | | 08 | 23.2.22 | 11.3.22 | |
| | - type of structural isomers. | | | | 01 | 23.2.22 | 23.2.22 | |
| | - concept of asymmetric carbon atom, chiral centre, optical activity | | | | 01 | 24.2.22 | 24.2.22 | |
| | - Element of symmetry | | | | 01 | 02.3.22 | 02.3.22 | |
| | - concept of enantiomer and diastereoisomers. | | | | 01 | 03.3.22 | 03.3.22 | |
| | - Relative config ⁿ . | | | | 01 | 4.3.22 | 4.3.22 | |
| | - Absolute config ⁿ :- RS config ⁿ , SIP rule | | | | 01 | 9.3.22 | 9.3.22 | |
| | - RS config ⁿ of organic compound | | | | 01 | 10.3.22 | 10.3.22 | |
| | - E-Z config ⁿ of organic comp | | | | 01 | 11.3.22 | 11.3.22 | |
| 02 | Carbohydrate | 08 | | | 07 | 16.3.22 | 30.3.22 | |
| | - Intro ⁿ , Def ⁿ , classification, nomen. | | | | 01 | 16.3.22 | 16.3.22 | |
| | - Reaction of monosaccharide | | | | 01 | 17.3.22 | 17.3.22 | |
| | - open and cyclic structure of glucose | | | | 01 | 23.3.22 | 23.3.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. B.Y.

Subject : Chemistry

Paper Title : Organic & Inorganic chem

Signature : B. Sudan

Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| - | Mutarotation with mechanism | | | | 01 | 24.3.22 | 24.3.22 | |
| - | Epimerization | | | | | | | |
| - | Interconversion of glucose to fructose fructose to glucose, glucose to mannose | | | | 01 | 25.3.22 | 25.3.22 | |
| - | Manufacturing of Sucrose from cane sugar | | | | 01 | 30.3.22 | 30.3.22 | |
| 03 | Nitrogen containing organic comp. | 08 | | | 05 | 31.3.22 | 8.4.22 | |
| - | Introduction, preparation of nitrobenzene | | | | 01 | 31.3.22 | 31.3.22 | |
| - | Chemical properties of nitrobenzene | | | | 01 | 1.4.22 | 1.4.22 | |
| - | Classification & prep ⁿ of aniline | | | | 01 | 6.4.22 | 6.4.22 | |
| - | Chemical reaction of aniline | | | | 01 | 7.4.22 | 7.4.22 | |
| - | Synthesis of diazomethane | | | | | | | |
| - | Chemical react ⁿ of diazomethane | | | | | | | |
| - | Synthesis of urea | | | | 01 | 8.4.22 | 8.4.22 | |
| - | Chemical react ⁿ of urea | | | | | | | |
| 04 | Application of Reagent in organic synthesis | 04 | | | 03 | 13.4.22 | 21.4.22 | |
| - | Synthetic Application of OsO_4 | | | | 01 | 13.4.22 | 13.4.22 | |
| - | Prep ⁿ & reaction of ozone | | | | 01 | 20.4.22 | 20.4.22 | |
| - | Prep ⁿ & reaction of SeO_2 | | | | 01 | 21.4.22 | 21.4.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. S-Y.

Paper Title : Organic & Inorganic Chem

Subject : Chemistry

Paper Number : VIII

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | - prep ⁿ & reaction of BF_3 | | | | | | | |
| 5 | Chemistry of Lanthanide | 07 | | | 05 | 22.4.22 | 4.5.22 | |
| | - Introduction of d-block element | | | | 01 | 22.4.22 | 22.4.22 | |
| | - General character of d block. | | | | | | | |
| | - Electronic config ⁿ of first transition series. | | | | 01 | 27.4.22 | 27.4.22 | |
| | - properties of first transition series | | | | 01 | 28.4.22 | 28.4.22 | |
| | - Electronic config ⁿ of second & third transition series. | | | | 01 | 29.4.22 | 29.4.22 | |
| | - Comparison of second & third transition series element with first transition series element. | | | | 01 | 4.5.22 | 4.5.22 | |
| 6 | Chemistry of f-block element | 08 | | | 05 | 5.5.22 | 13.5.22 | |
| | - Electronic configuration | | | | 01 | 5.5.22 | 5.5.22 | |
| | - Lanthanide contraction - cause and consequence | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. S.Y.

Subject : Chemistry

Paper Title : Organic & Inorganic Chemistry

Signature : [Signature]

Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| - | magnetic properties of Lanthanide | | | | 01 | 6.5.22 | 6.5.22 | |
| - | comparison of characteristic of d. & f-block element | | | | | | | |
| - | Extraction of Lanthanide by ion exchange method. Application of Lanthanide | | | | 01 | 11.5.22 | 11.5.22 | |
| | <u>Actinides :-</u> | | | | | | | |
| - | Electronic config ⁿ , properties of Actinide | | | | 01 | 12.5.22 | 12.5.22 | |
| - | Extraction of Uranium from pitchblend. | | | | 01 | 13.5.22 | 13.5.22 | |
| - | Physical and chemical properties of Uranium. | | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic & Inorganic chemistry

Subject : Chemistry

Paper Number : XIV

Signature : *[Signature]*

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|---|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | Spectroscopic methods | 08 | | | 06 | 23-2-22 | 7-3-22 | |
| | - EMR, wavelength, wave no, frequency, Energy, advantage | | | | 01 | 23-2-22 | 23-2-22 | |
| | - UV Spect :- Type of electronic transition, electronic effect. | | | | 01 | 24-2-22 | 24-2-22 | |
| | - calculation of λ_{max} for conjugated diene & enone. | | | | 01 | 28-2-22 | 28-2-22 | |
| | - spectral problem based on UV spectroscopy. | | | | | | | |
| | * IR Spectroscopy :- | | | | | | | |
| | - molecular vibration, functional & finger print region | | | | 01 | 2-3-22 | 2-3-22 | |
| | - characteristic absorption | | | | 01 | 3-3-22 | 3-8-22 | |
| | - Interpretation of IR Spectroscopy. | | | | 01 | 7-3-22 | 7-3-22 | |
| 2 | NMR Spectroscopy | 08 | | | 06 | 8-3-22 | 16-3-22 | |
| | - principle, magnetic & non-magnetic nuclei. | | | | | 8-3-22 | 8-3-22 | |
| | - Equivalent & Non-equivalent protons | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic & Inorganic Chem

Subject : Chemistry

Signature : [Signature]

Paper Number : XIV

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks | |
|-----------------|---|---------------------|------|-----------------|-------------------|---------|---------------|----|
| | | Expected Periods | From | To | Actual Periods | From | | To |
| - | Number of NMR signal in organic compound with example. | | | | 01 | 9.3.22 | 9.3.22 | |
| - | Shielding and deshielding effect | | | | 01 | 10.3.22 | 10.3.22 | |
| - | chemical shift, measurement, TMS as reference, Advantage | | | | | | | |
| - | peak area & spin-spin splitting | | | | 01 | 14.3.22 | 14.3.22 | |
| - | PMR spectral analysis of comp. | | | | 01 | 15.3.22 | 15.3.22 | |
| - | PMR spectral analysis of organic comp. | | | | 01 | 16.3.22 | 16.3.22 | |
| B] | Application of UV, IR, NMR for identification of organic molecule | 04 | | | 02 | 17.3.22 | 17.3.22 | |
| - | n-propyl alcohol, iso-propyl alcohol, t-butyl alcohol, Acetic acid, ethyl amine | | | | 01 | 17.3.22 | 17.3.22 | |
| - | Ethyl cyanide, ethyl methyl ketone, ethyl acetate, ethyl benzene | | | | 01 | 21.3.22 | 21.3.22 | |
| - | phenyl acetaldehyde, phenol, | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic & Inorganic Chem

Paper Number : XIV

Subject : Chemistry

Signature : *[Signature]*

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|--|---------------------|------|-----------------|-------------------|---------------|---------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | ethyl methyl ether, ethylene - glycol, propionamide, propenal | | | | | | |
| 3. | Synthetic polymer | 06 | | | 05 | 22.3.22 | 29.3.22 |
| | - Introd ⁿ , Homopolymer, copolymer. | | | | 01 | 22.3.22 | 22.3.22 |
| | - classification of polymer on the basis of source. | | | | 01 | 23.3.22 | 23.3.22 |
| | - Addition polymerization with mechanism. | | | | 01 | 24.3.22 | 24.3.22 |
| | - condensation polymerization with mechanism. | | | | 01 | 28.3.22 | 28.3.22 |
| | - synthesis and uses of polymer like nylon-6,10, polyurethane, neoprene, PMMA. | | | | 01 | 29.3.22 | 29.3.22 |
| 4 | Molecular Rearrangement | 04 | | | 04 | 30.3.22 | 5.4.22 |
| | - pinacol-pinacolone rearrangement with mechanism. | | | | 01 | 30.3.22 | 30.3.22 |
| | - Favorskii rearrangement with | | | | 01 | 31.3.22 | 31.3.22 |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Paper Title : Organic & Inorganic Chem.

Subject : Chemistry

Paper Number : XIV

Signature : Pradeep

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | mechanism, - photo-Fries rearrangement with mechanism. - Stevens rearrangement with mechanism, | | | | 01 | 4.4.22 | 4.4.22 | |
| | | | | | 01 | 5.4.22 | 5.4.22 | |
| 5. | coordination compound (part-II) | 10 | | | 07 | 6.4.22 | 20.4.22 | |
| | - VBT, inner & outer orbital complex with example. | | | | 01 | 6.4.22 | 6.4.22 | |
| | - Crystal field theory :- postulates crystal field splitting in octahedral and tetrahedral complex | | | | 01 | 7.4.22 | 7.4.22 | |
| | - definition & calculation of CFSE for octahedral & tetrahedral complex. | | | | 01 | 11.4.22 | 11.4.22 | |
| | - Factor affecting on magnitude of CFSE. | | | | 01 | 12.4.22 | 12.4.22 | |
| | - Application of CFSE. | | | | 01 | 13.4.22 | 13.4.22 | |
| | - Jahn-Teller effect. | | | | 01 | 19.4.22 | 19.4.22 | |
| | - Limitation of CFT. | | | | 01 | 20.4.22 | 20.4.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc.T.Y.

Paper Title : Organic & Inorganic Chemistry

Subject : Chemistry

Paper Number : XIV

Signature : Pradeep

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|---|---------------------|------|-----------------|-------------------|---------------|---------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| 6. | Electronic Spectra of transition metal complex | 05 | | | 03 | 25.4.22 | 26.4.22 | |
| - | TYPE of electronic transition | | | | 01 | 25.4.22 | 25.4.22 | |
| - | Selection rule for d-d transition | | | | 01 | 21.4.22 | 21.4.22 | |
| - | Spectroscopic ground state | | | | 01 | 26.4.22 | 26.4.22 | |
| - | Term symbol | | | | | | | |
| - | Orbital energy level diagram | | | | | | | |
| - | Electronic Spectra of $[Ti(H_2O)_6]^{3+}$ complex | | | | | | | |
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ANNUAL TEACHING PLAN

Class & Division : B.Sc. T.Y.

Subject : Chemistry

Paper Title : Physical & Inorganic chem

Signature : 

Paper Number : XV

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|------|----|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 5 | Bioinorganic chemistry | 05 | | | 03 | 27.4.22 | 2.5.22 | |
| | - Essential & trace element in biological systems | | | | 01 | 27.4.22 | 27.4.22 | |
| | metalloporphyrin (Haemoglobin & myoglobin) | | | | | | | |
| | - Biological role of alkali & alkaline earth metal | | | | 01 | 28.4.22 | 28.4.22 | |
| | - Nitrogen fixation. | | | | 01 | 2.5.22 | 2.5.22 | |
| 6 | metal clusters | 10 | | | 06 | 4.5.22 | 12.5.22 | |
| | borane | | | | 02 | 4.5.22 | 5.5.22 | |
| | carborane | | | | 02 | 8.5.22 | 10.5.22 | |
| | metaborane | | | | 01 | 11.5.22 | 11.5.22 | |
| | metallocarborane | | | | 01 | 12.5.22 | 12.5.22 | |
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A/C. No.: 60039709345
2) Name of Bank :
A/C. No.:
Driving lic. Number : MH2420050000913 Due on.: 13.02.2030
Passport Number : Ren. Date :
Blood Group : 1) Self : B⁺ 2) Spouse : 3) Children :
Personal Insurance Policy No. : Due on :
Policy No. : Due on :
Home Insurance Policy No. : Due on :
Vehicle Insurance Number : Due on :
Other Specification :

ANNUAL TEACHING PLAN

Mon, Tue, Wed.

Class & Division : B.Sc. I year.

Subject : Zoology

Paper Title : Biodiversity of Invertebrate

Signature : [Signature]

Paper Number : I (Semester - I)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|-----------------|---|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| 1 | UNIT - I | 11 | | | | | |
| | 1. Introduction of Non-Chordates | 02 | 14 ⁰⁹ / ₂₁ | 15 ⁰⁹ / ₂₁ | 02 | 10 ¹⁰ / ₂₁ | 25 ¹⁰ / ₂₁ |
| | 2. Protozoa | 03 | 20 ⁰⁹ / ₂₁ | 22 ⁰⁹ / ₂₁ | 03 | 06 ¹⁰ / ₂₁ | 16 ¹¹ / ₂₁ |
| | - General Characters | | | | | | |
| | - Classification up to class level | | | | | | |
| | - Locomotion & locomotory organs | | | | | | |
| | - Structure, life cycle, parthenogenesis and control measures of P. vivax | 03 | 27 ⁰⁹ / ₂₁ | 29 ⁰⁹ / ₂₁ | 03 | 17 ¹¹ / ₂₁ | 23 ¹¹ / ₂₁ |
| | 3. Porifera - General characters & classification up to class level with suitable example, canal systems in Sycon, Economic importance in Porifera. | 03 | 4 ¹⁰ / ₂₁ | 06 ¹⁰ / ₂₁ | 03 | 24 ¹¹ / ₂₁ | 30 ¹¹ / ₂₁ |
| 2 | UNIT - II | 12 | | | | | |
| | 1. Coelenterata: - General characters & classification up to class level, polymorphism in Hydra | 02 | 11 ¹⁰ / ₂₁ | 12 ¹⁰ / ₂₁ | 02 | 06 ¹² / ₂₁ | 07 ¹² / ₂₁ |
| | | 02 | 13 ¹⁰ / ₂₁ | 18 ¹⁰ / ₂₁ | 02 | 05 ¹² / ₂₁ | 13 ¹² / ₂₁ |

[Signature]

PRINCIPAL
Indira Gandhi (Sr.) College
CINCO, New Nanded

ANNUAL TEACHING PLAN

Mon, Tue, Wed.

Class & Division : B.Sc. I year.
 Paper Title : Biodiversity of Invertebrates
 Paper Number : I (Sem-I)

Subject : Zoology
 Signature : [Signature]

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | 2. <u>Platyhelminths</u> : - General characters & classification up to class level with suitable examples. Brief account of structure, life cycle, pathogenicity & control measures of <u>Tenia solium</u> . | 02 | 20 ¹⁰ / ₂₁ | 25 ¹⁰ / ₂₁ | 02 | 14 ¹² / ₂₁ | 15 ¹² / ₂₁ |
| | 3. <u>Nematelminths</u> : - General characters & classification up to class level with suitable example, structure, life cycle, pathogenicity & control measures of <u>Ascaris lumbricoides</u> . | 02 | 26 ¹⁰ / ₂₁ | 27 ¹⁰ / ₂₁ | 02 | 22 ¹² / ₂₁ | 27 ¹² / ₂₁ |
| | 3. <u>Nematelminths</u> : - General characters & classification up to class level with suitable example, structure, life cycle, pathogenicity & control measures of <u>Ascaris lumbricoides</u> . | 02 | 16 ¹¹ / ₂₁ | 17 ¹¹ / ₂₁ | 02 | 26 ¹² / ₂₁ | 29 ¹² / ₂₁ |
| | | 02 | 22 ¹¹ / ₂₁ | 23 ¹¹ / ₂₁ | 02 | 02 ¹² / ₂₁ | 04 ⁰¹ / ₂₁ |
| | 3. <u>UNIT - III</u> | 11 | | | | | |
| | 1. <u>Annelida</u> : - General characters & classification up to class level. metamerism in Annelida, velum - culture & velum composting. | 02 | 24 ¹¹ / ₂₁ | 29 ¹¹ / ₂₁ | 02 | 05 ⁰¹ / ₂₂ | 10 ⁰¹ / ₂₂ |
| | 2. <u>Arthropods</u> : - General characters & classification up to class level | 01 | 20 ¹¹ / ₂₁ | 20 ¹¹ / ₂₁ | 01 | 11 ⁰¹ / ₂₂ | 11 ⁰¹ / ₂₂ |
| | | 02 | 01 ¹² / ₂₁ | 06 ¹² / ₂₁ | 02 | 12 ⁰¹ / ₂₂ | 17 ⁰¹ / ₂₂ |

ANNUAL TEACHING PLAN

Mon, Tue, Wed

Class & Division : B.Sc. I year.

Paper Title : Biodiversity of Non-chordates

Subject : Zoology

Paper Number : I (Sem-I)

Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | with suitable example Metamorphosis in Insects | 01 | 07 ¹² / ₂₁ | 07 ¹² / ₂₁ | 01 | 15 ⁰¹ / ₂₂ | 16 ⁰¹ / ₂₂ | |
| | Cockroach - External Morphology | 01 | 08 ¹² / ₂₁ | 08 ¹² / ₂₁ | 01 | 19 ⁰¹ / ₂₂ | 19 ⁰¹ / ₂₂ | |
| | Digestive system, Respiratory syst. | 02 | 13 ¹² / ₂₁ | 14 ¹² / ₂₁ | 02 | 29 ⁰¹ / ₂₂ | 25 ⁰¹ / ₂₂ | |
| | Nervous systems | 01 | 15 ¹² / ₂₁ | 15 ¹² / ₂₁ | 01 | 26 ⁰¹ / ₂₂ | 26 ⁰¹ / ₂₂ | |
| | Economic Importance of Insects. | 01 | 20 ¹² / ₂₁ | 20 ¹² / ₂₁ | 01 | 27 ⁰¹ / ₂₂ | 27 ⁰¹ / ₂₂ | |
| | UNIT - IV | 11 | | | | | | |
| | 1. Mollusca - General Character & Classification up to class level with suitable example | 02 | 21 ¹² / ₂₁ | 22 ¹² / ₂₁ | 02 | 31 ⁰¹ / ₂₂ | 1 ⁰² / ₂₂ | |
| | Economic Importance of Mollusca | 01 | 23 ¹² / ₂₁ | 23 ¹² / ₂₁ | 01 | 02 ⁰² / ₂₂ | 02 ⁰² / ₂₂ | |
| | 2. Echinodermata - General Character Classification, Starfish - External | 02 | 28 ¹² / ₂₁ | 29 ¹² / ₂₁ | 02 | 04 ⁰² / ₂₂ | 05 ⁰² / ₂₂ | Extra |
| | Morphology, Larval forms of Echino- dermata | 02 | 03 ⁰¹ / ₂₂ | 03 ⁰¹ / ₂₂ | 01 | 04 ⁰² / ₂₂ | 04 ⁰² / ₂₂ | Extra |
| | 3. Hemichordata - General Character & Affinities. | 03 | 10 ⁰¹ / ₂₂ | 12 ⁰¹ / ₂₂ | 03 | 06 ⁰² / ₂₂ | 08 ⁰² / ₂₂ | Extra |

ANNUAL TEACHING PLAN

Thu, Fri, Sat

Class & Division

B.Sc. IInd year.

Subject

Zoology

Paper Title

Physiology

Signature

Paper Number

VI (Sem-III)

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | UNIT - I | 11 | | | | | | |
| | 1. Digestion - | | | | | | | |
| | - Kinds of Digestion - Intracellular & Extracellular Digestion | 01 | 16 ⁰⁹ / ₂₁ | 16 ⁰⁹ / ₂₁ | 01 | 21 ¹⁰ / ₂₁ | 21 ¹⁰ / ₂₁ | |
| | - physiology of digestion in the alimentary canal | 01 | 17 ⁰⁹ / ₂₁ | 17 ⁰⁹ / ₂₁ | 01 | 22 ¹⁰ / ₂₁ | 22 ¹⁰ / ₂₁ | |
| | - Absorption of Carbohydrates, proteins & Lipids. | 02 | 18 ⁰⁹ / ₂₁ | 22 ⁰⁹ / ₂₁ | 02 | 23 ¹⁰ / ₂₁ | 20 ¹⁰ / ₂₁ | |
| | 2. Vitamins - | | | | | | | |
| | - Sources & deficiency diseases of fat soluble & water soluble vitamins. | 02 | 26 ⁰⁹ / ₂₁ | 25 ⁰⁹ / ₂₁ | 02 | 18 ¹¹ / ₂₁ | 20 ¹¹ / ₂₁ | |
| | 3. Respiration - | | | | | | | |
| | - Kinds of Respiration - Direct & Indirect respiration | 01 | 30 ⁰⁹ / ₂₁ | 30 ⁰⁹ / ₂₁ | 01 | 25 ¹¹ / ₂₁ | 25 ¹¹ / ₂₁ | |
| | - Respiratory organs in man | 01 | 01 ¹⁰ / ₂₁ | 01 ¹⁰ / ₂₁ | 01 | 26 ¹¹ / ₂₁ | 26 ¹¹ / ₂₁ | |
| | - Mechanism of Red in man. | 01 | 02 ¹⁰ / ₂₁ | 02 ¹⁰ / ₂₁ | 01 | 27 ¹¹ / ₂₁ | 27 ¹¹ / ₂₁ | |
| | - Transport of O ₂ & CO ₂ . | 02 | 03 ¹⁰ / ₂₁ | 04 ¹⁰ / ₂₁ | 02 | 28 ¹¹ / ₂₁ | 29 ¹¹ / ₂₁ | |

ANNUAL TEACHING PLAN

Thu, Fri, Sat

Class & Division : B.Sc. IInd year.

Subject : Zoology

Paper Title : Physiology

Signature : [Signature]

Paper Number : VI (Sem-III)

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|----------------|---|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| 2 | UNIT - II | 11 | | | | | |
| | 1. Excretions - Structure of Kidney & Nephrons | 01 | 14 ¹⁰ / ₂₁ | 14 ¹⁰ / ₂₁ | 01 | 4 ¹² / ₂₁ | 4 ¹² / ₂₁ |
| | - Mechanism of Urine formation | 01 | 16 ¹⁰ / ₂₁ | 16 ¹⁰ / ₂₁ | 01 | 9 ¹² / ₂₁ | 9 ¹² / ₂₁ |
| | - Counter Current Mechanism | 02 | 21 ¹⁰ / ₂₁ | 22 ¹⁰ / ₂₁ | 02 | 11 ¹² / ₂₁ | 10 ¹² / ₂₁ |
| | 2. Cardiovascular system :- | | | | | | |
| | - Composition of blood & functions | 02 | 23 ¹⁰ / ₂₁ | 26 ¹⁰ / ₂₁ | 02 | 17 ¹² / ₂₁ | 18 ¹² / ₂₁ |
| | - Types of Hearts in Vertebrates | | | | | | |
| | Neurogenic & myogenic heart | 01 | 29 ¹⁰ / ₂₁ | 29 ¹⁰ / ₂₁ | 01 | 23 ¹² / ₂₁ | 23 ¹² / ₂₁ |
| | - Structure & working of H. Heart | 01 | 30 ¹⁰ / ₂₁ | 30 ¹⁰ / ₂₁ | 01 | 26 ¹² / ₂₁ | 24 ¹² / ₂₁ |
| | - Origin & Conduction of the | | | | | | |
| | Cardiac impulses, Cardiac cycle | 02 | 18 ¹¹ / ₂₁ | 20 ¹¹ / ₂₁ | 02 | 30 ¹² / ₂₁ | 31 ¹² / ₂₁ |
| | - E.C.G. & blood pressure | 01 | 25 ¹¹ / ₂₁ | 25 ¹¹ / ₂₁ | 01 | 01 ¹² / ₂₂ | 01 ¹² / ₂₂ |
| 3 | UNIT - III | 11 | | | | | |
| | 1. Nerve physiology :- | | | | | | |
| | - Structure of generalized | | | | | | |
| | Neuron | 01 | 26 ¹¹ / ₂₁ | 27 ¹¹ / ₂₁ | 01 | 08 ¹² / ₂₂ | 10 ¹² / ₂₂ |
| | - Types of Neuron | 01 | 25 ¹¹ / ₂₁ | 22 ¹¹ / ₂₁ | | | |
| | - Structure of synapse | 02 | 2 ¹⁰ / ₂₁ | 3 ¹² / ₂₁ | | | |

ANNUAL TEACHING PLAN

Thu, Fri, Sat

Class & Division: B.Sc. IInd year
 Paper Title: physiology
 Paper Number: V (sem-III)

Subject: Zoology
 Signature: [Signature]

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------------|---|---------------------|----------------------------------|----------------------------------|-------------------|---|--------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | - major Neurotransmitter - Acetylcholine, adrenaline & dopamine | 02 | 4 ¹² / ₂₁ | 9 ¹² / ₂₁ | 02 | 13 ⁰¹ / ₂₂ - 14 ⁰¹ / ₂₂ | |
| | - Conduction of Nerve impulse | 02 | 10 ¹² / ₂₁ | 11 ¹² / ₂₁ | 02 | 15 ⁰¹ / ₂₂ - 16 ⁰¹ / ₂₂ | - Exam |
| | 2. <u>Muscle physiology</u> :- | | | | | | |
| | - Types of muscle - smooth, skeletal, Cardiac muscle | 02 | 16 ¹² / ₂₁ | 17 ¹² / ₂₁ | 02 | 20 ⁰¹ / ₂₂ - 21 ⁰¹ / ₂₂ | |
| | - Ultra structure of skeletal muscles | 01 | 18 ¹² / ₂₁ | 18 ¹² / ₂₁ | 01 | 22 ⁰¹ / ₂₂ - 22 ⁰¹ / ₂₂ | |
| | + UNIT - IV | 12 | | | | | |
| | 1. <u>Reproduction</u> :- | | | | | | |
| | - Histological structure of human Testes & ovaries | 02 | 22 ¹² / ₂₁ | 24 ¹² / ₂₁ | 02 | 23 ⁰¹ / ₂₂ - 24 ⁰¹ / ₂₂ | - Exam |
| | - physiology of male reproduction | 01 | 20 ¹² / ₂₁ | 20 ¹² / ₂₁ | 01 | 24 ⁰¹ / ₂₂ - 24 ⁰¹ / ₂₂ | |
| | - hormonal control of spermatogenesis | 02 | 21 ¹² / ₂₁ | 31 ¹² / ₂₁ | 01 | 25 ⁰¹ / ₂₂ - 26 ⁰¹ / ₂₂ | |
| | - physiology of female reproduction | 01 | 01 ¹² / ₂₂ | 01 ¹² / ₂₂ | 01 | 27 ⁰¹ / ₂₂ - 27 ⁰¹ / ₂₂ | |
| | - Hormonal control of oogenesis | 01 | 05 ⁰¹ / ₂₂ | 06 ⁰¹ / ₂₂ | 01 | 28 ⁰¹ / ₂₂ - 28 ⁰¹ / ₂₂ | |
| | - menstrual cycle & pro-lactation | 01 | 07 ⁰¹ / ₂₂ | 07 ⁰¹ / ₂₂ | 01 | 29 ⁰¹ / ₂₂ - 29 ⁰¹ / ₂₂ | |
| | 2. <u>Endocrine glands</u> - pituitary | 04 | 02 ⁰¹ / ₂₂ | 03 ⁰¹ / ₂₂ | 01 | 30 ⁰¹ / ₂₂ - 30 ⁰¹ / ₂₂ | |
| | Thyroid, Adrenal, Islets of Langerhans | 04 | 05 ⁰¹ / ₂₂ | 08 ⁰¹ / ₂₂ | 03 | 31 ⁰¹ / ₂₂ - 02 ⁰¹ / ₂₃ | |

ANNUAL TEACHING PLAN

MON 17.0.2018

Class & Division : B.Sc. IIIrd year
 Paper Title : pisciculture
 Paper Number : XIII (A) (Sem - II)

Subject : Zoology
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|----------------------------------|----------------------------------|-------------------|---|
| | | Expected Periods | From | To | Actual Periods | |
| 1 | UNIT - I | 11 | | | | |
| | 1. Fish Farm Engineering - Topography, Soil type, water Supply, Layout of fish farm | 04 | 15 ⁰⁹ / ₂₁ | 22 ⁰⁹ / ₂₁ | 04 | 20 ¹⁰ / ₂₁ - 27 ¹⁰ / ₂₁ |
| | 2. Fish farm Management : - | | | | | |
| | - preparation & Management of N. pond | 03 | 27 ⁰⁹ / ₂₁ | 29 ⁰⁹ / ₂₁ | 03 | 14 ¹¹ / ₂₁ - 22 ¹¹ / ₂₁ |
| | - preparation & Management of Rearing P. | 02 | 04 ¹⁰ / ₂₁ | 05 ¹⁰ / ₂₁ | 02 | 23 ¹¹ / ₂₁ - 24 ¹¹ / ₂₁ |
| | - preparation & Management of SD Cling P. | 02 | 06 ¹⁰ / ₂₁ | 11 ¹⁰ / ₂₁ | 02 | 28 ¹¹ / ₂₁ - 30 ¹¹ / ₂₁ |
| 2 | UNIT - II | 12 | | | | |
| | 1. Biology of Indigenous and Exotic Carps | 04 | 12 ¹⁰ / ₂₁ | 12 ¹⁰ / ₂₁ | 01 | 06 ¹² / ₂₁ - 06 ¹² / ₂₁ |
| | 2. Fish seed resources - | | | | | |
| | - Natural - Riverine resources | 01 | 12 ¹⁰ / ₂₁ | 13 ¹⁰ / ₂₁ | 01 | 7 ¹² / ₂₁ - 7 ¹² / ₂₁ |
| | - Artificial resources. Induced breeding by hypophysation | 01 | 18 ¹⁰ / ₂₁ | 18 ¹⁰ / ₂₁ | 01 | 05 ¹² / ₂₁ - 08 ¹² / ₂₁ |
| | - Historical Background & technique of induced breeding | 01 | 20 ¹⁰ / ₂₁ | 20 ¹⁰ / ₂₁ | 01 | 13 ¹² / ₂₁ - 13 ¹² / ₂₁ |
| | - Benthic breeding | 01 | 28 ¹⁰ / ₂₁ | 28 ¹⁰ / ₂₁ | 01 | 14 ¹² / ₂₁ - 14 ¹² / ₂₁ |
| | - Chinese hatchery | 01 | 26 ¹⁰ / ₂₁ | 26 ¹⁰ / ₂₁ | 01 | 15 ¹² / ₂₁ - 15 ¹² / ₂₁ |

ANNUAL TEACHING PLAN

Mon, 12, Oct.

Class & Division : B.Sc. IIIrd year.

Subject : Zoology

Paper Title : pisciculture

Signature : [Signature]

Paper Number : XIII A (Sem. - II)

| 01 Sl. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | - Stripping method | 01 | 22 ¹⁰ / ₂₁ | 22 ¹⁰ / ₂₁ | 01 | 22 ¹² / ₂₂ | 22 ¹² / ₂₂ | |
| | - Transportation of fish seed & brooders | 01 | 16 ¹¹ / ₂₁ | 16 ¹¹ / ₂₁ | 01 | 20 ¹² / ₂₂ | 20 ¹² / ₂₂ | |
| | 2. Chinese Capture fishery | | | | | | | |
| | - Introduction, Capture fisheries Resourced in India | 01 | 17 ¹¹ / ₂₁ | 17 ¹¹ / ₂₁ | 01 | 08 ¹² / ₂₂ | 08 ¹² / ₂₂ | |
| | 1. Sardine 2. Mackerel 3. Bombay duck fishery | 02 | 22 ¹¹ / ₂₁ | 24 ¹¹ / ₂₁ | 03 | 09 ¹² / ₂₂ | 09 ¹² / ₂₂ | |
| | UNIT - III | 11 | | | | | | |
| | 1. Fishing methods :- | | | | | | | |
| | Gears. Traps, Gill nets, Cast net, Magnets | 01 | 29 ¹¹ / ₂₁ | 29 ¹¹ / ₂₁ | 01 | 05 ¹² / ₂₂ | 05 ¹² / ₂₂ | |
| | - Crafts - masula, Catameran, oduro, Vanchi | 01 | 30 ¹¹ / ₂₁ | 30 ¹¹ / ₂₁ | 01 | 10 ¹² / ₂₂ | 10 ¹² / ₂₂ | |
| | - Recent Advance in Fishing method | | | | | | | |
| | - Electrical fishing, light fishing & fish finder. | 02 | 01 ¹² / ₂₂ | 06 ¹² / ₂₂ | 02 | 11 ¹² / ₂₂ | 12 ¹² / ₂₂ | |
| | 2. Fish Diseases :- | | | | | | | |
| | A) Bacterial - bacterial furunculosis | | | | | | | |

ANNUAL TEACHING PLAN

Mon, Tue, Wed,

Class & Division : B.Sc. III year

Subject : Zoology

Paper Title : Pisciculture

Signature : [Signature]

Paper Number : XIII A (Sem - IV)

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | a. Fish Tailrot or fin rot | 01 | 7 ¹² / ₂₁ | 07 ¹² / ₂₁ | 01 | 17 ⁰¹ / ₂₂ | 17 ⁰¹ / ₂₂ | |
| | b. fungal diseases - Gill rot, Dermatomycozes | 01 | 08 ¹² / ₂₁ | 08 ¹² / ₂₁ | 01 | 18 ⁰¹ / ₂₂ | 18 ⁰¹ / ₂₂ | |
| | c. protozoans - Costia, Ich | 01 | 13 ¹² / ₂₁ | 13 ¹² / ₂₁ | 01 | 19 ⁰¹ / ₂₂ | 19 ⁰¹ / ₂₂ | |
| | d. Helminths - Gastrocybosis, Dicyclonyosis | 01 | 14 ¹² / ₂₁ | 14 ¹² / ₂₁ | 01 | 23 ⁰¹ / ₂₂ | 23 ⁰¹ / ₂₂ | |
| | e. Arthropods - Leishmaniasis, Argulosis | 01 | 15 ¹² / ₂₁ | 15 ¹² / ₂₁ | 01 | 24 ⁰¹ / ₂₂ | 24 ⁰¹ / ₂₂ | |
| | - Environmental fish Diseases - Acidosis, Alkalosis, Gas bubble | 01 | 20 ¹² / ₂₁ | 20 ¹² / ₂₁ | 01 | 25 ⁰¹ / ₂₂ | 25 ⁰¹ / ₂₂ | |
| | ± Nutritional / Dietary disease | 01 | 21 ¹² / ₂₁ | 21 ¹² / ₂₁ | 01 | 25 ⁰¹ / ₂₂ | 25 ⁰¹ / ₂₂ | |
| | UNIT IV | 11 | | | | | | |
| | 1. Fish preservation & processing | | | | | | | |
| | Causes of spoilage of fishes | 02 | 22 ¹² / ₂₁ | 22 ¹² / ₂₁ | 02 | 31 ⁰¹ / ₂₂ | 31 ⁰¹ / ₂₂ | |
| | Methods of fish preservation - chilling, freezing, freeze-drying, Smoking, Drying, salting & Canning | 06 | 28 ¹² / ₂₁ | 10 ⁰¹ / ₂₂ | 06 | 01 ¹² / ₂₂ | 01 ¹² / ₂₂ | |
| | Fish by products - fish oil, fishmeal, fish manure, fish protein, fishmeal | 02 | 11 ⁰¹ / ₂₂ | 12 ⁰¹ / ₂₂ | 02 | 01 ⁰¹ / ₂₂ | 07 ⁰¹ / ₂₂ | |

ANNUAL TEACHING PLAN

Class & Division

B.Sc. I year

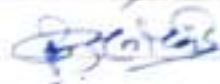
Subject

Zoology

Paper Title

Comparative anatomy of vertebrates

Signature



Paper Number

III (Sem-II)

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|--|---------------------|---|--------------------------------|-------------------|---|
| | | Expected Periods | From | To | Actual Periods | |
| 1 | <u>UNIT - I</u> | 11 | | | | |
| | 1. General characters, origin and Ancestry of Vertebrates | 02 | 28 ² / ₂ | 1 ² / ₂ | 02 | 23 ² / ₂ 28 ² / ₂ |
| | 2. Integumentary system :- - Development, General Structure & functions of integument - Derivatives of integument - Epidermal & Dermal derivatives | 03 | 2 ² / ₂ 8 ² / ₂ | 8 ² / ₂ | 03 | 2 ² / ₂ 8 ² / ₂ |
| | 3. Skeletal system :- - Evolution of visceral arches - Comparative account of limbs & girdles | 02 | 9 ² / ₂ 14 ² / ₂ | 14 ² / ₂ | 02 | 9 ² / ₂ 14 ² / ₂ |
| | | 02 | 15 ² / ₂ 10 ² / ₂ | 10 ² / ₂ | 02 | 15 ² / ₂ 10 ² / ₂ |
| | | 02 | 21 ² / ₂ 22 ² / ₂ | 22 ² / ₂ | 02 | 21 ² / ₂ 28 ² / ₂ |
| 2 | <u>UNIT - II :-</u> | | | | | |
| | 1. Digestive system :- Brief account of alimentary canal and digestive gland. | 06 | 23 ² / ₂ 5 ² / ₂ | 5 ² / ₂ | 06 | 24 ² / ₂ 6 ² / ₂ |
| | 2. Respiratory system :- Brief account of different respiratory organs in vertebrates - | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. I year
 Paper Title : Comparative anatomy of Vertebrates
 Paper Number : III (Sem - II)

Subject : Zoology
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------------|--|---------------------|---------------------------------|---------------------------------|-------------------|---------------------------------|----------------------------------|--------|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | Gills, lungs, skin, air sac & accessory respiratory organs. | 06 | 6 ⁴ / ₁₂ | 15 ⁴ / ₁₂ | 06 | 11 ⁴ / ₁₂ | 20 ⁴ / ₁₂ | |
| | UNIT - III | 11 | | | | | | |
| | 1. Circulatory system:- Brief Account of Evolutions of heart in Vertebrates | 02 | 19 ⁴ / ₁₂ | 20 ⁴ / ₁₂ | 02 | 25 ⁴ / ₁₂ | 26 ² / ₁₂ | |
| | - Modification of aortic arches in Vertebrates | 03 | 25 ⁴ / ₁₂ | 26 ⁴ / ₁₂ | 03 | 27 ⁴ / ₁₂ | 02 ⁰⁵ / ₁₂ | |
| | - Blood circulation in various vertebrates groups & ringal - double circulation | 02 | 27 ⁵ / ₁₂ | 3 ⁵ / ₁₂ | 02 | 8 ⁵ / ₁₂ | 08 ⁵ / ₁₂ | Sunday |
| | 2. Urogenital system:- Developmental Succession of kidney, Evolutions of Urogenital system in vertebrates | 02 | 4 ⁵ / ₁₂ | 9 ⁵ / ₁₂ | 02 | 11 ⁵ / ₁₂ | 12 ⁵ / ₁₂ | |
| | eg. | 02 | 10 ⁵ / ₁₂ | 11 ⁵ / ₁₂ | 02 | 13 ⁵ / ₁₂ | 14 ⁵ / ₁₂ | |
| | UNIT - IV | 11 | | | | | | |
| | 1. Nervous systems:- - structure of neurons | 02 | 11 ⁵ / ₁₂ | 17 ⁵ / ₁₂ | 02 | 15 ⁵ / ₁₂ | 15 ⁵ / ₁₂ | Sunday |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. III year

Subject : Zoology

Paper Title : Evolutionary Biology & Genetic Engineering

Signature : [Signature]

Paper Number : IX (Sem. IV)

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|----------------|--|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 1 | UNIT - I | 12 | | | | | |
| | 1. Introduction of theories of Evolution - Lamarckism, Darwinism, Neo-Darwinism, Hugo De. Matherly | 02 | 26/11/22 | 27/11/22 | 02 | 24/11/22 | 25/11/22 |
| | 2. Evidence of organic evolution | | | | | | |
| | i. Morphological & Anatomical evidences - Homologous, analogues, & vestigial structures & their ev. | 01 | 26/11/22 | 26/11/22 | 01 | 26/11/22 | 26/11/22 |
| | ii) Physiological & Biochemical evidences - examples | 01 | 28/11/22 | 30/11/22 | 01 | 28/11/22 | 30/11/22 |
| | iii) Embryological evidences - | 01 | 4/12/22 | 4/12/22 | 01 | 4/12/22 | 4/12/22 |
| | iv) Palaeontological Evidences - Distribution of fossil rocks, dating of rocks & fossils, conclusions drawn from fossils records | 02 | 5/12/22 | 10/12/22 | 02 | 5/12/22 | 10/12/22 |
| | v) Taxonomical evidences - evolution based principles of classification & Phylogenetic tree | 02 | 11/12/22 | 12/12/22 | 02 | 11/12/22 | 12/12/22 |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. II year

Subject : Zoology

Paper Title : Evolutionary Biology & Genetic Experimenting

Signature : [Signature]

Paper Number : IX (Sem. - II)

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------------|--|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | Processes of Evolutionary Change - - organic Variations, Isolating mech. Natural selection, Types of Natural selection. | 03 | 17 ^{1/2} | 19 ^{1/2} | 03 | 17 ^{1/2} | 19 ^{1/2} |
| 2 | UNIT - II | 11 | | | | | |
| | 1. Species concept : - Biological species concept (Advantages & Limitations) mode of speciation (Allopatric sympatric) | 04 | 24 ^{1/2} | 31 ^{1/2} | 04 | 25 ^{3/2} | 31 ^{1/2} |
| | 2. Extinction : - Mass extinction in history of earth Mass extinction - Causes, Rate of extn- cion in evolution. | 04 | 1 ^{1/2} | 8 ^{1/2} | 04 | 7 ^{1/2} | 21 ^{1/2} |
| | 3. Adaptive radiation - Causes & Significance, Adaptive radiation in Darwin's finches | 02 | 9 ^{1/2} | 16 ^{1/2} | 02 | 12 ^{1/2} | 23 ^{1/2} |
| | 4. Hardy-Weinberg principle - H.W. Equilibrium, Factor that upset Hardy Weinberg Equilibrium. | 02 | 21 ^{1/2} | 23 ^{1/2} | 02 | 25 ^{1/2} | 27 ^{1/2} |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. II year

Subject : Zoology

Paper Title : Evolutionary Biology & Genetics Engineering

Signature : [Signature]

Paper Number : IX Sem (IV)

| 01 S No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------------|--|---------------------|---------------------------------|---------------------------------|-------------------|---------------------------------|--|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 3 | UNIT - III | 11 | | | | | | |
| | 1. Nature & function of genetic materials - | | | | | | | |
| | 1. DNA - Structure, Types & functions | 02 | 23 ⁴ / ₂₂ | 28 ⁴ / ₂₂ | 02 | 30 ⁴ / ₂₂ | 05 ⁵ / ₂₂ | |
| | 11. RNA - Structure, types & functions | 02 | 29 ⁶ / ₂₂ | 31 ⁴ / ₂₂ | 02 | 6 ⁵ / ₂₂ | 7 ⁵ / ₂₂ | |
| | 10) Genetic code | 01 | 5 ⁶ / ₂₂ | 5 ⁴ / ₂₂ | 01 | 12 ⁵ / ₂₂ | 12 ⁵ / ₂₂ | |
| | 2. Introduction to Genetic Engineering | 01 | 6 ⁴ / ₂₂ | 6 ⁴ / ₂₂ | 01 | 13 ⁵ / ₂₂ | 13 ⁵ / ₂₂ | |
| | 2. Recombinant DNA Technology | 03 | 7 ⁴ / ₂₂ | 13 ⁴ / ₂₂ | 03 | 14 ⁵ / ₂₂ | 15 ⁵ / ₂₂ - Sunday | |
| | - Tools - a) Enzymes, b) Lysing, Ligases, Nucleases, Endonucleases, Restriction Endonucleases, Synthesized (DNA polymerase, Reverse transcriptase) | | | | | | | |
| | 3) Vectors - cloning vectors (Plasmid pBR322, Bacteriophage, - lambda phage, virus SV40, Cosmid Vectors) | 02 | 14 ⁴ / ₂₂ | 16 ⁴ / ₂₂ | 02 | 19 ⁵ / ₂₂ | 20 ⁵ / ₂₂ | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. III year
 Paper Title : Aquaculture
 Paper Number : XVI (A) (Sem-VI)

Subject : Zoology
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|--------------------------------|--------------------------------|-------------------|---------------------------------|---------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1. | UNIT - I | 11 | | | | | | |
| | 1. Introduction to Aquaculture | | | | | | | |
| | 1. Definition, scope & importance of aquaculture | 03 | 23 ² / ₂ | 1 ³ / ₂ | 03 | 23 ² / ₂ | 2 ³ / ₂ | |
| | 11. concept of extensive and intensive aquaculture | 03 | 2 ³ / ₂ | 8 ³ / ₂ | 03 | 07 ² / ₂ | 9 ² / ₂ | |
| | 2. Types of Aquaculture | | | | | | | |
| | 1. Mono culture 2. poly culture | 01 | 9 ³ / ₂ | 9 ³ / ₂ | 01 | 14 ⁰³ / ₂ | 14 ⁰³ / ₂ | |
| | 2. Integrated fish farming | | | | | | | |
| | A) paddy cum fish culture | 01 | 14 ³ / ₂ | 14 ³ / ₂ | 01 | 15 ⁰³ / ₂ | 15 ⁰³ / ₂ | |
| | B) fish cum rig. Farming | 01 | 15 ³ / ₂ | 15 ³ / ₂ | 01 | 16 ³ / ₂ | 16 ³ / ₂ | |
| | C) Cattle cum fish farming | 01 | 16 ³ / ₂ | 16 ³ / ₂ | 01 | 21 ³ / ₂ | 21 ³ / ₂ | |
| | d) fish cum Duck farming | 01 | 21 ³ / ₂ | 21 ³ / ₂ | 01 | 22 ³ / ₂ | 22 ³ / ₂ | |
| 2. | UNIT - II | 11 | | | | | | |
| | Culture Methods:- | | | | | | | |
| | 1. pen culture | 02 | 23 ³ / ₂ | 28 ³ / ₂ | 02 | 28 ³ / ₂ | 29 ³ / ₂ | |
| | 2. Cage culture | 02 | 29 ³ / ₂ | 30 ³ / ₂ | 02 | 20 ³ / ₂ | 21 ³ / ₂ | |
| | 2. Sewage Fed fish culture | | | | | | | |
| | 1. Composition of sewage | 01 | 4 ³ / ₂ | 6 ³ / ₂ | 01 | 05 ³ / ₂ | 05 ³ / ₂ | |

ANNUAL TEACHING PLAN

Class & Division

B.Sc. IIIrd year

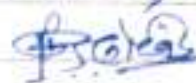
Subject

zoology

Paper Title

Aquaculture

Signature



Paper Number

XV (A) Sem-VI

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|----------------|---|---------------------|----------------------|----------------------|-------------------|----------------------|----------------------|--------|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | 2. Uses of sewage for fish culture | 01 | 5 th /12 | 5 th /12 | 01 | 11 th /22 | 11 th /22 | |
| | 3. Fish species suitable for sewage fed fish culture | 02 | 6 th /12 | 11 th /12 | 02 | 12 th /22 | 18 th /22 | |
| | 3. Man made hazards of Aquaculture. | | | | | | | |
| | 1. Domestic sewage | 01 | 12 th /12 | 12 th /12 | 01 | 20 th /22 | 10 th /22 | |
| | 2. Agricultural sewage | 02 | 13 th /12 | 13 th /12 | 01 | 20 th /22 | 20 th /22 | |
| | 3. Industrial sewage | 01 | 18 th /12 | 18 th /12 | | | | |
| B | UNIT - III | 12 | | | | | | |
| | 1. Characteristics of water | | | | | | | |
| | - physical | 02 | 16 th /12 | 20 th /12 | 02 | 25 th /22 | 26 th /22 | |
| | - chemical | 02 | 25 th /12 | 26 th /12 | 02 | 27 th /22 | 28 th /22 | |
| | - Biological | 02 | 27 th /12 | 2 nd /12 | 02 | 4 th /22 | 9 th /22 | |
| | 2. Larvivorous fishes | | | | | | | |
| | 1. Characteristics of Larvicidal fish | 01 | 3 rd /12 | 3 rd /12 | 01 | 10 th /22 | 10 th /22 | |
| | 2. Larvicidal fish in India - Exotic species, Indigenous species | 01 | 4 th /12 | 4 th /12 | 01 | 11 th /22 | 11 th /22 | |
| | 3. Role of Larvivorous fish in relation to public health | 01 | 9 th /12 | 9 th /12 | 01 | 18 th /22 | 18 th /22 | Amulav |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. IIIrd Year

Subject : Zoology

Paper Title : Aquaculture

Signature : [Signature]

Paper Number : XII (A) (Sem - IV)

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|---------------------|---------------------|-------------------|---------------------|------------------------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| | <u>3. Aquatic weeds & their control</u> | | | | | | |
| | 1. Types of weeds | 01 | 10 ⁵ /22 | 10 ⁷ /22 | 01 | 15 ⁵ /22 | 15 ⁵ /22 - Sunday |
| | 11. Advantages & disadvantages of weeds | 01 | 11 ⁵ /22 | 11 ⁵ /22 | 01 | 15 ⁷ /22 | 15 ⁷ /22 - Sunday |
| | 11) Weed Control - manual, mechanical, chemical, biological | 01 | 17 ⁵ /22 | 17 ⁵ /22 | 01 | 15 ⁵ /22 | 15 ⁵ /22 - Sunday |
| | <u>4. UNIT - IV</u> | 11 | | | | | |
| | <u>1. Culture of non fish organisms -</u> | | | | | | |
| | 1. Freshwater prawn culture | 01 | 15 ⁵ /22 | 18 ⁵ /22 | 01 | 22 ⁵ /22 | 22 ⁵ /22 - Sunday |
| | 2. Pearl oyster culture & edible oyster culture | 01 | 23 ⁵ /22 | 23 ⁵ /22 | 01 | 22 ⁵ /22 | 22 ⁵ /22 - Sunday |
| | 3. Mussel culture | 01 | 26 ⁵ /22 | 26 ⁵ /22 | 01 | 25 ⁵ /22 | 25 ⁵ /22 - Sunday |
| | <u>2. Mariculture</u> | 01 | 25 ⁵ /22 | 25 ⁵ /22 | | | |
| | 1) Introduction | 01 | 20 ⁵ /22 | 20 ⁵ /22 | | | |
| | 10) Types of mariculture | 01 | 21 ⁵ /22 | 21 ⁵ /22 | | | |
| | 11) Fish species for mariculture | 01 | 21 ⁵ /22 | 21 ⁵ /22 | | | |
| | <u>2. Govt. participation in Aquaculture - ICAR, Ministry of Agriculture, Ministry of Commerce, Ministry of Food Processing Industries</u> | 05 | 16 ⁵ /22 | 13 ⁵ /22 | | | |

Class & Division : M.Sc. I Year

Subject : Zoology

Paper Title : Invertebrate: structure & functions

Signature : [Signature]

Paper Number : I (Semester-I)

| 01 S No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------------|--|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | <u>UNIT - I</u> | 15 | | | | | | |
| | 1. organization of coeloms: Acoel | 03 | 24 ¹¹ / ₂₁ | 27 ¹¹ / ₂₁ | 03 | 20 ¹⁰ / ₂₁ | 25 ¹⁰ / ₂₁ | |
| | 2. organization of coeloms: pseudo Coelomate | 03 | 20 ¹¹ / ₂₁ | 2 ¹² / ₂₁ | 03 | 26 ¹⁰ / ₂₁ | 28 ¹⁰ / ₂₁ | |
| | 3. protostoma & Deuterostomia | 03 | 6 ¹² / ₂₁ | 8 ¹² / ₂₁ | 03 | 16 ¹¹ / ₂₁ | 18 ¹¹ / ₂₁ | |
| | 4. Locomotion: Flagellar & Ciliary movement in protozoa | 03 | 9 ¹² / ₂₁ | 10 ¹² / ₂₁ | 03 | 20 ¹¹ / ₂₁ | 24 ¹¹ / ₂₁ | |
| | 5. Hydrostatic movement in Coe- lentoata, Annelida, Echinodermata | 03 | 15 ¹² / ₂₁ | 20 ¹² / ₂₁ | 03 | 25 ¹¹ / ₂₁ | 20 ¹¹ / ₂₁ | |
| 2 | <u>UNIT - II</u> | 15 | | | | | | |
| | 1. Nutrition in protozoa | 02 | 21 ¹² / ₂₁ | 22 ¹² / ₂₁ | 02 | 02 ¹² / ₂₁ | 06 ¹² / ₂₁ | |
| | 2. pattern of Feeding & Digestion in lower metazoans | 03 | 23 ¹² / ₂₁ | 25 ¹² / ₂₁ | 03 | 7 ¹² / ₂₁ | 09 ¹² / ₂₁ | |
| | 3. Filter Feeding in polycheta, Mollusca & Echinodermata | 03 | 29 ¹² / ₂₁ | 03 ⁰¹ / ₂₂ | 03 | 13 ¹² / ₂₁ | 15 ¹² / ₂₁ | |
| | 4. Respiratory: organs of respiration gills, lungs, trachea | 03 | 09 ⁰¹ / ₂₂ | 6 ⁰¹ / ₂₂ | 03 | 16 ¹² / ₂₁ | 23 ¹² / ₂₁ | |
| | 5. Respiratory pigments | 02 | 10 ⁰¹ / ₂₂ | 11 ⁰¹ / ₂₂ | 02 | 22 ¹² / ₂₁ | 25 ¹² / ₂₁ | |
| | 6. Mechanism of respiration | 02 | 12 ⁰¹ / ₂₂ | 13 ⁰¹ / ₂₂ | 02 | 29 ¹² / ₂₁ | 30 ¹² / ₂₁ | |

ANNUAL TEACHING PLAN

Class & Division : M.Sc. I year

Subject : Zoology

Paper Title : Invertebrate: Structure & function.

Signature : *[Handwritten Signature]*

Paper Number : I (Semester-I)

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|----------------------------------|----------------------------------|-------------------|----------------------------------|----------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 3 | UNIT - III | 15 | | | | | | |
| | 1. organs of Excretion: Coeloms Coelomoduct, Nephridia & Mal. tubules | 02 | 20 ⁹ / ₂₁ | 21 ⁹ / ₂₁ | 02 | 03 ⁰¹ / ₂₂ | 04 ⁰¹ / ₂₂ | |
| | 2. Mechanism of Excretion | 02 | 22 ⁰¹ / ₂₁ | 22 ⁰¹ / ₂₁ | 02 | 05 ⁰¹ / ₂₂ | 10 ⁰¹ / ₂₂ | |
| | 3. Excretion & Osmoregulation | 02 | 27 ⁰¹ / ₂₁ | 28 ⁰¹ / ₂₁ | 02 | 11 ⁰¹ / ₂₂ | 12 ⁰¹ / ₂₂ | |
| | 4. primitive nervous system: Coelenterata & Echinodermata | 04 | 29 ⁰¹ / ₂₁ | 5 ¹⁰ / ₂₁ | 04 | 13 ⁰¹ / ₂₂ | 18 ⁰¹ / ₂₂ | |
| | 5. Advanced nervous system: Annelida, Arthropoda & mollusca (Cephalopoda) | 05 | 05 ¹⁰ / ₂₁ | 13 ¹⁰ / ₂₁ | 05 | 19 ⁰¹ / ₂₂ | 27 ⁰¹ / ₂₂ | |
| 4 | UNIT - IV | 15 | | | | | | |
| | 1. Larval forms of Invertebrates (Helminths, Annelida, Arthropoda & Echinoderm) | 04 | 14 ¹⁰ / ₂₁ | 21 ¹⁰ / ₂₁ | 04 | 20 ⁰¹ / ₂₂ | 03 ⁰² / ₂₂ | |
| | 2. Strategies & evolutionary significance of larval forms. | 02 | 25 ¹⁰ / ₂₁ | 28 ¹⁰ / ₂₁ | 02 | 07 ⁰² / ₂₂ | 08 ⁰² / ₂₂ | |
| | 3. organization & general characters of minor phyla | 03 | 16 ¹⁰ / ₂₁ | 18 ¹¹ / ₂₁ | 03 | 08 ⁰² / ₂₂ | 10 ⁰² / ₂₂ | |
| | 4. Concept of significance of minor phyla | 02 | 20 ¹¹ / ₂₁ | 22 ¹¹ / ₂₁ | 02 | 14 ⁰² / ₂₂ | 15 ⁰² / ₂₂ | |
| | 5. Hemichordata: characters, Classification, Affinity & Economic importance. | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : M.Sc. Ist year

Subject : Zoology

Paper Title : Biochemistry & Immunology

Signature : [Signature]

Paper Number : VIII

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|----------------|---|---------------------|---------------------------------|---------------------------------|-------------------|---------------------------------|---------------------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| 1 | <u>UNIT - I</u> | <u>15</u> | | | | | | |
| | 1. Polymers | | | | | | | |
| | 2. Classification structure properties of carbohydrates | 2 | 23 ² / ₂₂ | 24 ² / ₂₂ | 2 | 23 ² / ₂₂ | 24 ² / ₂₂ | |
| | 3. Classification structure and properties of lipids. | 2 | 25 ² / ₂₂ | 1 ² / ₂₂ | 02 | 25 ² / ₂₂ | 28 ² / ₂₂ | |
| | 4. Classification structure and properties of proteins. | 2 | 2 ³ / ₂₂ | 3 ³ / ₂₂ | 02 | 2 ³ / ₂₂ | 3 ³ / ₂₂ | |
| | 5. Metabolism - Carbohydrate | | | | | | | |
| | - Steps of Glycolysis | 1 | 7 ³ / ₂₂ | 7 ³ / ₂₂ | 01 | 7 ³ / ₂₂ | 7 ³ / ₂₂ | |
| | - Energy & Electronic Balance Sheet. | 1 | 8 ³ / ₂₂ | 8 ³ / ₂₂ | 01 | 8 ³ / ₂₂ | 8 ³ / ₂₂ | |
| | - Regulation of Glycolysis | 1 | 9 ³ / ₂₂ | 9 ³ / ₂₂ | 01 | 9 ³ / ₂₂ | 9 ³ / ₂₂ | |
| | - Glycogenesis, Glycogenolysis & Gluconeogenesis. | 1 | 10 ³ / ₂₂ | 10 ³ / ₂₂ | 01 | 10 ³ / ₂₂ | 10 ³ / ₂₂ | |
| | 3. Citric acid cycle | 2 | 14 ³ / ₂₂ | 15 ³ / ₂₂ | 02 | 14 ³ / ₂₂ | 15 ³ / ₂₂ | |
| | - Pyruvate oxidation | 1 | 16 ³ / ₂₂ | 16 ³ / ₂₂ | 01 | 16 ³ / ₂₂ | 16 ³ / ₂₂ | |
| | - Various steps of Citric acid cycle | 1 | 17 ³ / ₂₂ | 17 ³ / ₂₂ | 01 | 17 ³ / ₂₂ | 17 ³ / ₂₂ | |

ANNUAL TEACHING PLAN

Class & Division :

M.Sc. Ist year

Subject :

Zoology

Paper Title :

Biochemistry & Immunology

Signature :

[Signature]

Paper Number :

VII

| 01 Sl No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|----------------|--|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | - Enzymes of Citric acid cycle | | | | | | |
| | - Energetics of Citric acid cycle | | | | | | |
| | - Pentose phosphate pathway | 1 | 21 ³ /12 | 21 ³ /12 | 01 | 21 ³ /12 | 21 ³ /12 |
| 2 | UNIT - II | | | | | | |
| | 1. Lipid metabolism | 2 | 22 ³ /12 | 23 ³ /12 | 2 | 22 ³ /12 | 23 ³ /12 |
| | - The oxidation pathways | | | | | | |
| | - Energy yield from fatty acid oxidation | | | | | | |
| | - Oxidation of unsaturated fatty acid. | 2 | 24 ³ /12 | 25 ³ /12 | 2 | 24 ³ /12 | 25 ³ /12 |
| | - Control of fatty acid oxidation | 2 | 26 ³ /12 | 27 ³ /12 | 2 | 26 ³ /12 | 27 ³ /12 |
| | - Ketosis, ketolysis, Ketogenesis | 2 | 28 ³ /12 | 29 ³ /12 | 2 | 28 ³ /12 | 29 ³ /12 |
| 2 | fatty acid biosynthesis | 2 | 31 ³ /12 | 32 ³ /12 | 2 | 31 ³ /12 | 32 ³ /12 |
| | - Control of fatty acid biosynthesis | 2 | 5 ⁴ /12 | 6 ⁴ /12 | 2 | 11 ⁴ /12 | 18 ⁴ /12 |
| | - Biosynthesis of palmitate from acetyl CoA. | | | | | | |
| 3 | Nitrogen metabolism | 2 | 7 ⁴ /12 | 11 ⁴ /12 | 2 | 14 ⁴ /12 | 20 ⁴ /12 |
| | - Amino acid degradation | | | | | | |
| | - Transamination, determination | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : _____

Subject : _____

Paper Title : _____

Signature : _____

Paper Number : _____

| 01 S No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------------|---|---------------------|----------------------|----------------------|-------------------|----------------------|----------------------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | and decarboxylation reactions of amino acids. | | | | | | | |
| | - Disposal of Ammonia (deamination & excretion) | 2 | 12 th /12 | 13 th /12 | 2 | 21 st /22 | 28 th /22 | |
| | Krebs Henseleit Urea cycle | 1 | 18 th /12 | 18 th /12 | 1 | 25 th /22 | 25 th /22 | |
| 3 | VN ET - III | | | | | | | |
| | 1) Innate Immunity | 1 | 19 th /12 | 19 th /12 | 1 | 26 th /22 | 27 th /22 | |
| | 2) Adaptive or Acquired Immunity | 1 | 20 th /12 | 20 th /12 | 1 | 28 th /22 | 28 th /22 | |
| | - Passive & Active Acq. Immunity | | | | | | | |
| | 3) cells & organs of I. system: | 2 | 21 st /12 | 25 th /12 | 2 | 2 nd /22 | 4 th /22 | |
| | - T-cell & T cell receptor | | | | | | | |
| | - T-cell maturation activation & differentiation. | | | | | | | |
| | - B-cell, B-cell generation activation & differentiation. | 2 | 26 th /12 | 27 th /12 | 2 | 5 th /22 | 09 th /22 | |


PRINCIPAL

Indira Gandhi (Sr.) College
CIDCO, New Nanded

ANNUAL TEACHING PLAN

Class & Division : M.Sc. I year.

Subject : Zoology

Paper Title : Biochemistry & Immunology

Signature : [Signature]

Paper Number : VIII

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|------------------|---|---------------------|---------------------|---------------------|-------------------|----------------------|----------------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| | A) Immunoglobulin - Introduction | 2 | 28 ⁴ /12 | 2 ⁵ /12 | 02 | 10 ⁰⁵ /12 | 11 ⁰⁵ /12 |
| | - structure of Antibody | | | | | | |
| | - classification, structure & function of Immunoglobulin. | | | | | | |
| | - Nature of antigens & super antigens | 1 | 3 ⁵ /12 | 2 ⁵ /12 | 1 | 12 ⁰⁵ /12 | 12 ⁰⁵ /12 |
| | - Epitopes & haptens. | 2 | 4 ⁵ /12 | 5 ⁵ /12 | 2 | 26 ⁰⁵ /12 | 27 ⁰⁵ /12 |
| | - Antigenicity & immunogenicity | 1 | 9 ⁵ /12 | 9 ⁵ /12 | 1 | 31 ⁰⁵ /12 | 21 ⁰⁵ /12 |
| | - Factors influencing immunogenicity | 1 | 10 ⁵ /12 | 10 ⁵ /12 | 1 | 1 ⁰⁶ /12 | |
| | - Antigens, antibody, inhibitors & their applications | 2 | 11 ⁵ /12 | 12 ⁵ /12 | 2 | 02 ⁰⁶ /12 | 06 ⁰⁶ /12 |
| | B) UNIT - IV | | | | | | |
| | 1. Hypersensitivity | 1 | 17 ⁵ /12 | 17 ⁵ /12 | 1 | 07 ⁰⁶ /12 | 07 ⁰⁶ /12 |
| | - introduction, Factors causing hypersensitivity | | | | | | |
| | - Types of hypersensitivity | 1 | 18 ⁵ /12 | 18 ⁵ /12 | 1 | 08 ⁰⁶ /12 | 08 ⁰⁶ /12 |
| | - Type I - Anaphylactic | 0 | | | | | |
| | - Type II - Antibody Dependent | 1 | 19 ⁵ /12 | 19 ⁵ /12 | 1 | 09 ⁰⁶ /12 | 09 ⁰⁶ /12 |

Cytotoxic hypersensitivity

ANNUAL TEACHING PLAN

Class & Division : M.Sc. I year

Subject : Zoology

Paper Title : Biochemistry & Immunology

Signature : [Signature]

Paper Number : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|---|---------------------|----------------------|----------------------|-------------------|------------------------|------------------------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | - Type - III - Immune Complex mediated hypersensitivity | 1 | 23 rd /12 | 23 rd /12 | 1 | 13 th 06/12 | 13 th 06/12 |
| | - Type IV - cell mediated Delayed Hypersensitivity | 1 | 24 th /12 | 24 th /12 | 1 | 14 th 06/12 | 14 th 06/12 |
| | - Type - V - Stimulatory Hyper-sensitivity | 1 | 25 th /12 | 25 th /12 | 1 | 15 th 06/12 | 15 th 06/12 |
| | 2. Cytokines - | 2 | 30 th /12 | 31 st /12 | | | |
| | - Properties of cytokines, function of cytokines | | | | | | |
| | - Complement system | | | | | | |
| | - Complement components | 1 | 1 st /12 | 1 st /12 | | | |
| | - Classical & alternative pathway | 1 | 2 nd /12 | 2 nd /12 | | | |
| | - Significance of Complement system | 1 | 6 th /12 | 6 th /12 | | | |
| | - Hybridoma technology | 2 | 7 th /12 | 8 th /12 | | | |
| | - Monoclonal antibodies - production & clinical used. | | | | | | |
| | - polyclonal antibodies | | | | | | |
| | - Immunodeficiency Disorders | | | | | | |

PERSONAL MEMORANDUM

Name : Rajkumar Godindras Pawale
Qualification : M.Sc. Ph.D.
Designation : Assistant Professor
Residential Address : Kailashnagar, Mumbai.
Email Address : _____
Phone number & Mobile No. : (Office) : (Residential) :
P.F. Account Number : _____
Income Tax PAN Number : APNPP 6750N.
Personal Details : _____
Family Doctor : DR. Sahebrao More
Bank Account Number : 1) Name of Bank : Bank of Maharashtra
AC.No.: 68000989393
2) Name of Bank : State Bank of India
AC.No.: 10537767316.
Driving Lic. Number : MH26 20100021298 Due on: -
Passport Number : V 2935236 Ren. Date: -
Blood Group : 1) Self : B⁺ 2) Spouse : 3) Children : B⁺
Personal Insurance Policy No. : Due on :
Policy No. : Due on :
Home Insurance Policy No. : Due on :
Vehicle Insurance Number : Due on :
Other Specification : _____

ANNUAL TEACHING PLAN

Class & Division

B.Sc. Ist yr (I-sem)

Subject

Environmental Geology

Paper Title

Earth And Earth Surface Processes I
Ist

Signature

[Signature]

Paper Number

| Sl. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------|---|------------------|----------|-----------------|----------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | UNIT-I | | | | | | |
| | Earth System processes:- | 15 | 4/10/21 | 25/11/21 | 13 | 16/10/21 | 1/12/21 |
| | Movement of lithospheric plates | 02 | 4/10/21 | 5/10/21 | 02 | 15/10/21 | 20/10/21 |
| | Major plates & hotspots, Sea floor spread, earthquakes, Volcanic activities | 03 | 6/10/21 | 12/10/21 | 02 | 20/10/21 | 26/10/21 |
| | gravitational & magnetic fields. | 03 | 13/10/21 | 20/10/21 | 02 | 27/10/21 | 16/11/21 |
| | Origin of the main geomagnetic field | 02 | 23/10/21 | 26/11/21 | 02 | 17/11/21 | 20/11/21 |
| | palaeontological evidences of plate tectonic continental collision | 01 | 27/10/21 | 16/11/21 | 02 | 22/11/21 | 24/11/21 |
| | forming with specific examples | 01 | 17/11/21 | 17/11/21 | 02 | 24/11/21 | 24/11/21 |
| | | 01 | 22/11/21 | 24/11/21 | 01 | 20/12/21 | 20/11/21 |
| | | 01 | 23/11/21 | 23/11/21 | 01 | 1/12/21 | 1/12/21 |
| | UNIT-II | 15 | 24/11/21 | 28/12/21 | 13 | 6/12/21 | 29/12/21 |
| | Earth surface processes:- | | | | | | |
| | Evolution of Earth atmosphere physical & optical properties. | | 24/11/21 | 1/12/21 | 04 | 6/12/21 | 13/12/21 |
| | Atmosphere-Ocean interfaces | | | | | | |

[Signature]
Principal

ANNUAL TEACHING PLAN

Class & Division : _____

Subject : _____

Paper Title : _____

Signature : _____

Paper Number : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|---|---------------------|---------------------|----------------------|-------------------|----------------------|----------------------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | Atmosphere-Land interfaces land surface processes Rivers & geomorphology, Types of glaciers, Erosional & depositional processes Coastal processes. | 04 07 | 6/12/21 14/12/21 | 13/12/21 29/12/21 | 04 05 | 14.12.21 22.12.21 | 21.12.21 31.12.21 |
| | UNIT - III | 15 | 29/12/21 | 2/1/22 | 14 | 5.1.22 | 22.2.22 |
| | Soil properties & it's erosion & consistency | | | | | | |
| | Density, porosity, permeability Chemical properties of soil, pH, Organic matter, Inorganic elements | 05 | 29/12/21 | 10/1/22 | 04 | 4.1.22 | 11.1.22 |
| | Soil flora & fauna, Soil erosion Agents of soil erosion | 05 | 11/1/22 | 19/1/22 | 04 | 12.1.22 | 19.1.22 |
| | Running water, Glaciers Wind & sea water. | 05 | 24/1/22 | 27/2/22 | 05 | 24.1.22 | 2.2.22 |

ANNUAL TEACHING PLAN

Class & Division : B.Sc IIIrd (III Sem)
 Paper Title : Water And Fresh Water Resources
 Paper Number : VII

Subject : Environmental Science
 Signature : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks | |
|------------------|--|---------------------|-----------------|-----------------|-------------------|-----------------|--|-----------------|
| | | Expected Periods | From | To | Actual Periods | From | | To |
| | <u>UNIT - I</u> | | | | | | | |
| | <u>Introducing to Fresh Water.</u> | <u>15</u> | <u>1/10/21</u> | <u>25/10/21</u> | <u>13</u> | <u>18/10/21</u> | <u>01/12/21</u> 25/10/21 | |
| | <u>Hydrological cycle</u> | } | <u>05</u> | <u>4/10/21</u> | <u>12/10/21</u> | <u>04</u> | <u>18/10/21</u> | <u>26/10/21</u> |
| | <u>Measure ment of rainfall</u> | | | | | | | |
| | <u>Defination & scope</u> | } | <u>05</u> | <u>13/10/21</u> | <u>26/10/21</u> | <u>04</u> | <u>27/10/21</u> | <u>22/11/21</u> |
| | <u>Importance & Need of water</u> | | | | | | | |
| | <u>Management</u> | } | <u>05</u> | <u>27/10/21</u> | <u>33/11/21</u> | <u>05</u> | <u>23/11/21</u> | <u>1.12.21</u> |
| | <u>Global distributy of water</u> | | | | | | | |
| | <u>Limite of global fresh water resources.</u> | } | <u>05</u> | <u>27/10/21</u> | <u>33/11/21</u> | <u>05</u> | <u>23/11/21</u> | <u>1.12.21</u> |
| | <u>Fresh water resources by probly</u> | | | | | | | |
| | <u>Underground water resources.</u> | | | | | | | |
| | <u>UNIT - II</u> | | | | | | | |
| | <u>properties of water</u> | <u>15</u> | <u>24/11/21</u> | <u>28/11/21</u> | <u>13</u> | <u>6.12.21</u> | <u>3.1.22</u> 26/11/21 | |

ANNUAL TEACHING PLAN

Class & Division : _____

Subject : _____

Paper Title : _____

Signature : _____

Paper Number : _____

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|---|---------------------|----------|-----------------|-------------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | Physical properties - Temp. etc. Turbidity, Total Dissolved Solids TSS | 05 | 24/12/21 | 6/12/21 | 04 | 5.12.21 | 13/12/21 |
| | Chemical properties - Chlorides pH, DO, COD, BOD, Acidity, Alkalinity, EC, Nitrogen & it's compound. | 05 | 7/12/21 | 15/12/21 | 05 | 14/12/21 | 22/12/21 |
| | Biological properties - Phytoplankton Zooplankton, Macro invertebrates Water quality Standards | 05 | 20/12/21 | 28/12/21 | 04 | 27/12/21 | 31/1/22 |
| | UNIT - III | | | | | 04/1/22 | 2/2/22 |
| | Water Use & Conservation Method | 15 | 29/12/21 | 2/2/22 | 13 | 29/12/21 | 2/2/22 |
| | Uses of Water: Domestic uses, Civic or public purpose, Industrial purposes, Agricultural, Hydroelectric power generation Water conservation methods | 05 | 29/12/21 | 10/1/22 | 04 | 04/1/22 | 10/1/22 |
| | | 05 | 11/1/22 | 19/1/22 | 05 | 12/1/22 | 19/1/22 |
| | | 05 | 21/1/22 | 27/2/22 | 04 | 24/1/22 | 2.2.22 |

ANNUAL TEACHING PLAN

Class & Division :

B.Sc-IIIrd (V-Sem)

Subject :

Environmental Science

Paper Title :

Wildlife Management

Signature :

Paper Number :

P-XIII

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|----------------|----------------------------|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | UNIT-I | | | | | | | |
| | An Introductory | 15 | 1/10/21 | 25/11/21 | 12 | 16/10/21 | 2/12/21 | |
| | Basic concept of Wildlife, | 03 | 1-10-21 | 8-10-21 | 02 | 16-10-21 | 21-10-21 | |
| | Wildlife in India | 03 | 9-10-21 | 16-10-21 | 03 | 22-10-21 | 28-10-21 | |
| | Endangered Flora & Fauna | 03 | 21-10-21 | 23-10-21 | 03 | 29-10-21 | 18-11-21 | |
| | Threats to Indian wildlife | 03 | 28-10-21 | 30-10-21 | 02 | 20-11-21 | 25-11-21 | |
| | Threatened Wildlife | 03 | 16-11-21 | 25-11-21 | 03 | 26-11-21 | 2-12-21 | |
| | UNIT-II | 15 | 26-11-21 | 3/12/21 | 13 | 3-12-21 | 1-1-22 | |
| | Wildlife Conservation | | | | | | | |
| | Aims & objectives | 03 | 26-11-21 | 2-12-21 | 03 | 3-12-21 | 9-12-21 | |

ANNUAL TEACHING PLAN

Class & Division _____

Subject _____

Paper Title _____

Signature _____

Paper Number _____

| 01 Sl No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | 05 Remarks | |
|----------------|---------------------------------------|---------------------|----------|----------|-------------------|----------|---------------|----|
| | | Expected Periods | From | To | Actual Periods | From | | To |
| | Model of wildlife conservatory | 05 | 5/12/21 | 11/12/21 | 05 | 12/12/21 | 17/12/21 | |
| | protected area network | 05 | 16/12/21 | 26/12/21 | 05 | 15/12/21 | 28/12/21 | |
| | Wildlife Management projects in India | 02 | 26/12/21 | 31/12/21 | 02 | 27/12/21 | 31/12/21 | |
| | <u>UNIT - III</u> | 15 | 1/1/22 | 15/1/22 | 15 | 2/1/22 | 16/1/22 | |
| | <u>Wildlife Management</u> | | | | | | | |
| | Wildlife Management in India | 04 | 1/1/22 | 5/1/22 | 03 | 6/1/22 | 9/1/22 | |
| | Man & Wildlife Conflicts | 03 | 13/1/22 | 16/1/22 | 03 | 13/1/22 | 15/1/22 | |
| | Conflicts, causes & consequences. | 03 | 20/1/22 | 24/1/22 | 03 | 20/1/22 | 24/1/22 | |
| | Application of remote sensing | 05 | 27/1/22 | 31/2/22 | 05 | 27/1/22 | 31/2/22 | |

ANNUAL TEACHING PLAN

Class & Division :
 Paper Title :
 Paper Number :

Pr. Sc. J.S. Pr. IInd Sem.
Developments in Environment
III

Subject :

Environmental Sci

Signature :

[Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------|-----------------|-------------------|----------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | |
| | UNIT - I | | | | | | |
| | Evolving & Life forms:- | 15 | 23.12.22 | 30.3.22 | 13 | 23.12.22 | 25.3.22 |
| | Evolution of Universe, Elements Origin of life & evolution of lifeforms | 05 | 23.2.22 | 8.3.22 | 04 | 23.2.22 | 7.3.22 |
| | Origin of life chemical basis. | | | | | | |
| | Evolution of life through ages. Biogeochemical cycles: Concept | 05 | 9.3.22 | 21.3.22 | 04 | 8.3.22 | 15.3.22 |
| | Scope, Global environmental problems, Need of Enviro-awareness | | | | | | |
| | Nitrogen, Carbon, oxygen p. & S. | 05 | 23.3.22 | 31.3.22 | 05 | 16.3.22 | 25.3.22 |
| | UNIT - II | 15 | 30.3.22 | 25.4.22 | 15 | 29.3.22 | 18.4.22 |
| | Minerals & Rocks:- Minerals | 07 | 30.3.22 | 10.4.22 | 05 | 30.3.22 | 5.4.22 |
| | Important rock forming minerals Rock cycle, lithification, metamorphism | | | | | | |
| | Three rock laws, rock Spectrum igneous, sedimentary | 02 | 11.4.22 | 12.4.22 | 02 | 6.4.22 | 10.4.22 |

ANNUAL TEACHING PLAN

Class & Division : _____

Subject : _____

Paper Title : _____

Signature : _____

Paper Number : _____

| 01 Sr No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|-----------------|--|---------------------|---------|---------|-------------------|-------------------------------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | metamorphic rocks | 03 | 13.4.22 | 16.4.22 | 03 | 10.4.22 | 12.4.22 | |
| | Weathering physical & biogeochemical processes. | | | | | | | |
| | Rivers & streams glacial and aeolian transportation & deposition | 03 | 19.4.22 | 23.4.22 | 03 | 13.4.22 | 16.4.22 | |
| | Water, wind & glaciers properties of rocks | | | | | | | |
| | Minerals types & minerals properties & extracting | | | | | | | |
| | UNIT - III | | | | | | | |
| | Atmospheric Chemistry:- | 15 | 26.4.22 | 20.5.22 | 13 | 19.4.22 13.4.22 | 18.5.22 | |
| | Composition of atmosphere photo chemical reactions smog | 05 | 26.4.22 | 5.5.22 | 04 | 19.4.22 | 25.4.22 | |
| | Types of smog Chemistry of acid rain | | | | | | | |
| | Reaction of NO ₂ & SO ₂ Free radical cat | 02 | 7.5.22 | 10.5.22 | 02 | 26.4.22 | 27.4.22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc-IInd -IV-Sem.
 Paper Title : Natural Resource Management Subject : Environmental Sci.
 Paper Number : IXth Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|------------------|--|---------------------|---------|-----------------|-------------------|---------------|---------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | UNIT-I | | | | | | |
| | Introduction to Natural Resources | 15 | 23-2-22 | 29-3-22 | 13 | 23-2-22 | 27-3-22 |
| | Defining & introducing Classification of Renewable & Non-renewable | 05 | 23-2-22 | 7-3-22 | 04 | 23-2-22 | 3-3-22 |
| | Depletion of Natural resource Causes, impact & mitigation | 05 | 8-3-22 | 16-3-22 | 04 | 7-3-22 | 14-3-22 |
| | Importance of Natural resources | 05 | 21-3-22 | 29-3-22 | 05 | 15-3-22 | 28-3-22 |
| | Limitations of Non-renewable | | | | | | |
| | Limitations of renewable | | | | | | |
| | Plan & global resource human life | | | | | | |
| | Role of an individual in NR management | | | | | | |
| | UNIT-II | | | | | | |
| | Energy & Mineral Resources | 15 | 30-3-22 | 29-4-22 | 13 | 28-3-22 | 17-4-22 |
| | Conventional Energy sources - Coal, oil, petroleum, Nuclear energy | 07 | 30-3-22 | 3-4-22 | 02 | 26-3-22 | 29-3-22 |
| | Natural gas | | | | | | |

ANNUAL TEACHING PLAN

Class & Division :

Subject :

Paper Title :

Signature :

Paper Number :

| 01 Sr No. | 02 Topic / Subtopic | Expected Periods | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|----------------|---------|-------------------|-----------------|---------|---------------|
| | | | From | To | | From | To | |
| | Uses & Management of Conventional energy source | 02 | 4.4.22 | 12.4.22 | 02 | 30.3.22 | 5.4.22 | |
| | Non-Conventional energy source:- Solar energy, Hydro energy, Tidal energy, Biomass energy, Wind energy, Geothermal energy. | | 13.4.22 | 18.4.22 | | 03 | 6.4.22 | 11.4.22 |
| | Uses & Management of Energy resource Option & Transition. Mineral resource Distribution, Minerals in India, Iron management, Bauxite, copper, gold. Use of Minerals, Management of Minerals. | 03 | 19.4.22 | 26.4.22 | 03 | 12.4.22 | 17.4.22 | |
| | UNIT-III | | 15 | 20.4.22 | | 20.5.22 | 14 | 15.4.22 |
| | Biotic Resources:- | | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : _____

Paper Title : _____

Paper Number : _____

Subject : _____

Signature : _____

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|----------------|---|---------------------|---------|-----------------|-------------------|---------------|---------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | <u>Forest Resource</u> : Use of Forest Resource Wood product Wood consumption Wood demand Non-wood product Trade of forest product forest & Environment deforestation afforestation Social forestry Medical Forest Management & Policy <u>Wildlife Resource</u> : | 05 | 20.4.22 | 2.5.22 | 05 | 18.4.22 | 25.4.22 |
| | Wildlife & Management, and long causes of depletion Wildlife Trade Used (Demand + red-ve) Wildlife Conservation & Management | 05 | 15.5.22 | 20.5.22 | 05 | 9.5.22 | 13.5.22 |

[Signature]

Paper Title

Environmental Education & Biodiversity

Signature

Aman

Paper Number

XV

| 01 S No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|---------------|--|---------------------|---------|---------|-------------------|---------|---------|---------------|
| | | Expected Periods | From | To | Actual Periods | From | To | |
| | UNIT - I | | | | | | | |
| | Environmental Education :- | 15 | 24.2.22 | 31.3.22 | 12 | 24.2.22 | 24.3.22 | |
| | Introducing to Envi. Education, Goals & objectives of Envi-Edu ⁿ , principles of Envi-Education, Envi-Edu ⁿ in indsa mode of Envi-ed ⁿ | 05 | 24.2.22 | 4.3.22 | 04 | 24.2.22 | 3.3.22 | |
| | formal Envi. Edu ⁿ , Envi Education at higher secondary stage, at college non-formal Envi-Education. | | 10 | 5.3.22 | 31.3.22 | 08 | 4.3.22 | 24.3.22 |
| | UNIT - II | 15 | 31.3.22 | 6.5.22 | 12 | 25.3.22 | 21.4.22 | |
| | Biodiversity :- | | | | | | | |
| | Introducing, Defining levels of biodiversity, Genetic, species & ecosystem diversity, | 03 | 31.3.22 | 8.4.22 | 03 | 25.2.22 | 31.3.22 | |

ANNUAL TEACHING PLAN

Class & Division : _____

Subject : _____

Paper Title : _____

Signature : _____

Paper Number : _____

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|-----------------|---|---------------------|---------|-----------------|-------------------|---------------|---------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | Biogeographical Classification of India as mega diversity nation Values of biodiversity, sustainable & productive, social, ethical and optional. Biodiversity of global, national & local levels. Hot spots of biodiversity Threats to biodiversity, habitat loss Endangered & Endemic species. In India & in World countries. | 06 | 9.4.22 | 17.4.22 | 03 | 31.3.22 | 7.4.22 |
| | | 06 | 21.4.22 | 29.4.22 | 03 | 8.4.22 | 20.4.22 |
| | UNIT - III | 15 | 29.4.22 | 13.5.22 | 13 | 22.4.22 | 13.5.22 |
| | Biodiversity Conservation Conservation of biodiversity Methods of biodiversity conservation In-situ conservation - National Parks, sanctuaries, Biosphere reserve. | 04 | 29.4.22 | 6.5.22 | 04 | 22.4.22 | 30.4.22 |

PERSONAL MEMORANDA

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Income Tax PAN Number : ATRPR5734J

Personal Details :

Family Doctor :

Bank Account Number : 1) Name of Bank :
A/C. No.:

2) Name of Bank :
A/C. No.:

Driving lic. Number : Due on.:

Passport Number : Ren. Date :

Blood Group : 1) Self : 2) Spouse : 3) Children :

Personal Insurance Policy No. : Due on :

Policy No. : Due on :

Home Insurance Policy No. : Due on :

Vehicle Insurance Number : Due on :

Other Specification :

ANNUAL TEACHING PLAN

Class & Division: B.Sc. I

Page No.:

Subject: Mathematical Methods in Physics

Signature: *Chyngata*

Topic / Subtopic: I - II

| Sl. No. | Topic / Subtopic | 03 Planning | | 04 Execution | | 25 Remarks | |
|---------|--|-----------------|----------|---------------|---------|------------|----------|
| | | Expected Period | From To | Actual Period | From To | | |
| | I - I - Complex Variables Introduction, Definition, complex numbers (Addition, Subtraction, Multiplication, Division, Conjugate complex number), Argand diagram, Graphical representation of sum, difference, product and quotient of complex numbers, Properties of moduli, arguments and geometry of complex numbers, Rectangular, polar and exponential form of complex numbers. | 10 | 21/10/21 | 26/10/21 | 09 | 26/11/21 | 23/12/21 |
| | I - II - Vector analysis Introduction to Scalars, Vectors, Dot Product and Cross product of two vectors, Vector triple product, Scalar triple product, Scalar and vector field, Gradient | 15 | 27/11/21 | 01/01/22 | 12 | 26/11/21 | 23/12/21 |

Chyngata

ANNUAL TEACHING PLAN

Class & Division: B. Sc. I Subject: Physics
 Paper Title: Mathematical Methods in Physics Signature: [Signature]
 Paper Number: P - II

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|---|---------------------|------------|-------------------|------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | a scalar field, divergence of a vector field and Curl of a vector field and their physical interpretation, Laplacian operator (∇^2), Line integral, Surface integral, Volume integral, Gauss divergence theorem, Stoke's theorem, (Statements only) Vector identities | | | | | |
| | U-III - Partial differentiation definition of Partial differentiation, Order of successive differentiation, total differentiation, chain rule, Change of variables from Cartesian to polar co-ordinates, Condition of maxima and minima | 10 | 06/01/24 | 09 | 24/12/23 | 14/01/24 |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. I

Paper Title : Mathematical Methods in Physics

Paper Number : P - II

Subject : Physics

Signature : *[Signature]*

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|---|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | Linear Homogeneous Partial differential equations with constant co-efficients, Rules for finding the complementary function. | | | | | |
| | V-IV - Fourier Series Introduction to Periodic functions, Definition of Fourier Series, Evaluation of co-efficients of Fourier Series, Cosine Series, Sine Series, Dirichlet's conditions, Graphical representation of Sines & odd functions. Advantages of Fourier Series. Physical Applications of Fourier Series analysis: Square Wave & Half wave Rectifier. | 10 | 28/01/22 18/02/22 | 10 | 15/01/22 05/02/22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc II

Paper Title : Statistical Physics, Electromagnetic theory & relativity

Paper Number : P-VII

Subject : Physics

Signature : *[Signature]*

| 01 S No | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------------|---|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | U-I - Statistical basis and Thermodynamics Statistical basis, probability, probability and frequency, principle of equal a priori probability, additive and multiplication rule of probability conditional probability, permutations and combination, Micro and Macro states, Thermodynamic probability, entropy and probability relations connecting them | 12 | 20/10/21 01/12/21 | 10 | 20/10/21 29/11/21 | |
| | U-II - Classical Statistics and Quantum Statistics Phase space, Maxwell-Boltzmann distribution, Law of Quantum | 12 | 06/12/21 29/12/21 | 09 | 30/11/21 15/12/21 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. II

Subject : Physics

Paper Title : Statistical Physics, Electromagnetic theory & relativity

Signature : Rajesh

Paper Number : P-VII

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|----------------|--|---------------------|---------------------|-------------------|---------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | Statistics, Bose-Einstein distribution law, Fermi-Dirac distribution law, comparison of M.B, B.E and F.D. statistics, Applications of quantum statistics etc photon gas & electron gas. | | | | | |
| | V-III - Electromagnetic theory and Maxwell's equations Ampere's law and Steady state current, generalization of Ampere's law and displacement current, Maxwell's equations, derivation of Maxwell's equations, The electromagnetic energy and Poynting vector, The wave equation for free space. | 11 | 03/01/22 - 25/01/22 | 10 | 20/12/21 - 10/01/22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. III

Paper Title : Solid State Physics

Paper Number : P - XIII A

Subject : Physics

Signature : [Signature]

| S No. | Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-------|------------------|------------------|---------|----------------|---------|------------|
| | | Expected Periods | From To | Actual Periods | From To | |

| | | | | | | | | |
|----|---|----|----------|----------|----|----------|----------|--|
| 01 | <p>U-I Crystal Structure Introduction, Crystal lattices and translation vectors, unit cell, Basis, Symmetry operations, Point group, space group, types of lattices, Simple Crystal structures (HCP, FCC, BCC, SC), Structure of diamond, NaCl.</p> | 10 | 21/10/21 | 26/11/21 | 10 | 21/10/21 | 26/11/21 | |
|----|---|----|----------|----------|----|----------|----------|--|

| | | | | | | | | |
|----|---|----|----------|----------|----|----------|----------|--|
| 02 | <p>U-II - Bonding in Solids and X-ray diffraction Interatomic forces and types of bonding, ionic bond, covalent bond, metallic bond, hydrogen bond, Vander Wall's bond, X-ray diffraction, Bragg's law, Laue's method, Rotating crystal method.</p> | 10 | 27/11/21 | 15/12/21 | 03 | 27/11/21 | 15/12/21 | |
|----|---|----|----------|----------|----|----------|----------|--|

ANNUAL TEACHING PLAN

Class & Division : B.Sc III

Subject : Physics

Paper Title : Solid State Physics

Signature : [Signature]

Paper Number : P - XIII A

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|--------------|--|------------------|----------|-----------------|----------------|---------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| | U-III - Thermal properties of solids Specific heat of gases, specific heat of solids, caloric theory of solids, heat capacity, Einstein's theory of heat capacity, Debye's theory of specific heat of solids, Limitations of Debye model. | 12 | 23/12/21 | 20/01/22 | 08 | 17/12/21 | 06/01/22 |
| | U-IV - Free electron theory of metals The outstanding properties of metals, Drude- Lorentz theory, Thermal conductivity, Electrical conductivity, Wiedemann-Franz relation, Sommerfeld model, Electrical conductivity & Ohm's law, Electronic specific heat, Thermionic emission, escape of electrons from metal. | 13 | 21/01/22 | 18/02/22 | 14 | 07/01/22 | 05/02/22 |

ANNUAL TEACHING PLAN

Class & Division : B. Sc II

Subject : Physics

Paper Title : Electrical Measurements

Signature : *[Signature]*

Paper Number : SEC - I

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|----------------|--|----------------|----------|-------------------|-----------------|----------|---------------|
| | | From | To | | From | To | |
| | V-I - Basic of Measurement Instruments accuracy, Precision, sensitivity, Resolution, range, loading effects measurements. | 20/10/21 | 26/10/21 | 03 | 20/10/21 | 26/10/21 | |
| | V-II - Multimeter Principle of measurement of dc voltage and dc current, ac voltage, ac current, resistance, specification of multimeter & significance | 27/10/21 | 22/11/21 | 04 | 27/10/21 | 22/11/21 | |
| | V-III - Voltmeter Principles of voltage measurement, Sensitivity, specifications of electronic voltmeter & it's significance, Ac millivoltmeter, Types of Ac millivoltmeter | 23/11/21 | 30/11/21 | 04 | 23/11/21 | 30/11/21 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. II

Subject : Physics

Paper Title : Electrical Measurements

Signature : K. Rajad

Paper Number : SEC - I

| 01 Sr No | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks | | |
|----------------|---|---------------------|----------|----------|-----------------|-------------------|----------|---------------|----|----|
| | | Expected Periods | From | | To | Actual Periods | From | | To | |
| | | | 05 | 12/21 | | | 13/12/21 | | | 05 |
| | U-IV - Milli-ammeters Principle of current measurement, Measurement of dc current, AC current, micro-ammeters. | 05 | 01/12/21 | 13/12/21 | 05 | 01/12/21 | 13/12/21 | | | |
| | U-V - Impedance Bridges Block diagram of bridge, Working principle of basic RLC bridge, specifications of RLC bridge | 06 | 14/12/21 | 27/12/21 | 06 | 14/12/21 | 27/12/21 | | | |
| | U-VI - digital instruments Principle and working of digital meters, Comparison of analog and digital instruments, Characteristics of digital meter, Working principle of digital multimeter, Block diagram & working of digital multimeter | 07 | 25/12/21 | 31/12/21 | 08 | 25/12/21 | 31/12/21 | | | |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. III
 Paper Title : Renewable Energy & harvesting
 Paper Number : SEC III (A)
 Subject : Physics
 Signature : [Signature]

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | | |
|------------|--|------------------|----------|--------------|----------------|------------|----------|----|
| | | Expected Periods | From | To | Actual Periods | | From | To |
| | U-I-Fossil fuels and alternate sources of energy. Fossil fuels & nuclear energy. Need of renewable energy. Non-conventional energy sources, wind energy, tidal energy, solar energy, biomass energy. | 12 | 20/10/21 | 01/12/21 | 08 | 20/10/21 | 18/11/21 | |
| | U-II-Solar energy & Harvesting importance, storage of solar energy, applications of solar energy, Solar Water Heater, Solar Distillation, Solar Cooker, Solar Greenhouses, Solar cell characteristics of photovoltaic system. (PV) | 12 | 02/12/21 | 29/12/21 | 08 | 24/11/21 | 09/12/21 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. I

Subject : Electronics

Paper Title : Basic Electronics & Network Analysis

Signature : [Signature]

Paper Number : P - I

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|-------------------|-------------------|-------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | U-I - Basic Circuit Analysis Ohm's law, KCL, KVL, sign conventions for IR drops & EMF's, series circuits - proportional voltage formula, voltage divider, open and short in series circuit, parallel circuits - proportional current formula, open and short in parallel circuit | 10 | 2/10/21 26/11/21 | 09 | 21/10/21 25/11/21 | |
| | U-II - Network Theorems Ideal constant-voltage source, ideal constant-current source, superposition theorem, Norton theorem, Thevenin theorem, Maximum Power transfer theorem. | 10 | 27/11/21 18/12/21 | 08 | 26/11/21 11/12/21 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc.-I
 Paper Title : Basic Electronics Network analysis
 Paper Number : P-I

Subject : Electronics
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks | |
|-----------------|---|---------------------|------------|-------------------|-----------------|----------|---------------|--|
| | | Expected Periods | From To | | From To | | | |
| | U-III - Phasor algebra Symbolic notation, significance of operator, conjugate complex number, various forms of vector representations, arithmetic operations of vectors, powers and roots of vector quantities | 10 | 23/12/21 | 14/01/22 | 07 | 16/12/21 | 31/12/21 | |
| | U-IV - AC fundamentals Types of AC waveforms, cycle, time period, frequency, amplitude of AC voltage/current, characteristics of same wave, different values of sine wave, phase angle, phase difference, vector representation of R-L, R-C, series RLC circuit Resonance in series RLC circuit, impedance, current, bandwidth & factor of series resonant circuit Parallel resonance, bandwidth | 15 | 15/01/22 | 18/02/22 | 16 | 01/01/22 | 05/02/22 | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. I

Subject : Physics

Paper Title : Electricity & Magnetism

Signature : *[Signature]*

Paper Number :

| Sl. No. | Topic / Subtopic | 03 Planning | | Actual Periods | 04 Evaluation | | Remarks |
|---------|--|-------------|----------|----------------|---------------|----------|---------|
| | | From | To | | From | To | |
| 01 | V - I - Electrostatics & Magnetostatics | 15 | 24/02/22 | 11 | 24/02/22 | 24/03 | |
| 02 | Concept of electric field, electric flux, Gauss's law, conservative nature of electric field, concept of electric potential, potential energy of a system of charges, energy density in an electric field, Concept of magnetic fields and magnetic flux | | 31/03/22 | | 22 | 22 | |
| 03 | Lenz's law, force on a current carrying conductor, Biot Savart law, Applications of Biot Savart law to straight and circular current carrying conductor, Ampere's circuital law, Solenoid magnetic field, Motion of charged particle in electric & magnetic field, Maxwell's displacement current. | | | | | | |
| 04 | V - II - Magnetization | 09 | 01/04/22 | 07 | 25/03/22 | 09/04/22 | |
| 05 | Introduction, Magnetic Induction (B), flux density, Intensity of magnetization | | 22 | | 22 | 22 | |

ANNUAL TEACHING PLAN

Class & Division : B.S. I

Paper Title : Electricity & Magnetism

Subject : Physics

Paper Number : I IX

Signature : *[Signature]*

| Sl. No. | Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks | |
|---------|--|------------------|----------|--------------|----------------|------------|----------|
| | | Expected Periods | From | To | Actual Periods | | From |
| 01 | Intensity of magnetic field (H), permeability & susceptibility. Relation between permeability & susceptibility. Magnetic stress. Biot's induction of parallel wires, parallel wires & diamagnetic substances. H & magnetic method. Law of Ampere to calculate magnetic field of wire type solenoid galvanometer with theory (Q. & A.). | 07 | 29/04/22 | 19/05/22 | 07 | 16/06/22 | 30/06/22 |
| 02 | V III : Force varying (dynamic) fields. Dependence of electromagnetic induction. Laboratory study of electromagnetic induction, Faraday's self induction, self induction of a solenoid, Mutual induction. Mutual induction of a pair of coil, work done in establishing current in an inductor. Mutual induction of two coils. | | | | | | |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. I

Paper Title : Electricity & Magnetism

Paper Number : P - IX

Subject : Physics

Signature : *[Signature]*

| Sl. No. | Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|---------|---|------------------|----------------------|----------------|----------------------|--------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| 01 | U - IX - Alternating current circuits. Brief introduction to AC through capacitor & inductor, Nature of impedance (Z) & reactance (X) of inductance (Z_L & X_L), capacitance (Z_C & X_C) & Resistance (Z_R & X_R), Complex number & j operator, Complex impedance & reactance, Application of complex numbers in solving AC circuit, L-C-R circuit (Series resonance & Parallel resonance) Power in AC circuits & Power factor Principle, working & types of transformers (step up & step down), Current, voltage and turns ratio of transformer, Efficiency of transformer, AC Bridges, (Wheatstone bridge). | 12 | 20/05/22 16/06/22 | 10 | 05/05/22 14/05/22 | Ex 500 class |

ANNUAL TEACHING PLAN

Class & Division : B.Sc. II
 Paper Title : Optics & Lasers
 Paper Number : P - VIII

Subject : Physics
 Signature : K. S. S. S.

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | | 04 Execution | | | 05 Remarks |
|------------------|--|---------------------|----------|----------|-------------------|----------|----------|---------------|
| | | Expected Periods | From | | Actual Periods | From | | |
| | | | To | To | | To | To | |
| | U - I - Symmetrical Optics Cardinal points of an optical system (six points), Co-axial lens system (equivalent focal length and cardinal points), Huygen's eyepiece, Ramsden eyepiece and their cardinal points. | 09 | 23/02/22 | 16/03/22 | 09 | 23/02/22 | 16/03/22 | |
| | U-II - Interference & Diffraction Interference - Newton's fringes, determination of wavelength of sodium light, Michelson interferometer, determination of wavelength of monochromatic light. Diffraction - Fresnel & Fraunhofer diffraction, Fraunhofer's diffraction slit to single and double slit, | 14 | 21/03/22 | 19/04/22 | 14 | 21/03/22 | 11/04/22 | |

ANNUAL TEACHING PLAN

Class & Division

B. Sc. II

Paper Title

Optics & Lasers

Paper Number

P - VIII

Subject

Physics

Signature

[Signature]

| 01 S No. | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|----------------|--|---------------------|----------------------|-------------------|----------------------|----|---------------|
| | | Expected Periods | From To | | From To | To | |
| | Wavelength of sodium light, Rayleigh Scattering, Relating power of grating | 12 | 20/04/22 23/05/22 | 09 | 12/04/22 02/05/22 | | |
| | V-III - Polarization Polarization by reflection, Brewster's law, Malus law, Double refraction, Nicol prism, Nicol prism as analyzer, Huygen's explanation of double refraction in uniaxial crystals, Brewster wave plate, Half wave plate, Optical activity, specific rotation, Laurent's half shade polarimeter. | | | | | | |
| | V-IV - Lasers Spontaneous & stimulated emission, Absorption, Emission coefficient, (definition), Population inversion, optical & electrical pumping, Properties of lasers, He-Ne laser | 10 | 24/05/22 14/06/22 | 06 | 04/05/22 13/05/22 | | |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. III
 Paper Title : Digital & Communication Electronics
 Paper Number : P-XV - A

Subject : Physics
 Signature : [Signature]

| 01 S No | 02 Topic / Subtopic | 03 Planning | | Actual Periods | 04 Execution | | 05 Remarks |
|---------------|---|---------------------|----------|-------------------|-----------------|----------|-----------------------------------|
| | | Expected Periods | From | | To | From | |
| | Expression using K-map (upto 4-variables), Half adder, Full adder | | | | | | |
| | V-III Modulation & Demodulation, Introduction, types of modulation, Expression for A.M. Voltage, AM waves, frequency spectrum of AM wave, Power loss in AM wave, Expression for frequency modulated wave, Principle of demodulation, Linear diode AM detector or demodulator | 12 | 29/04/22 | 26/05/22 | 10 | 21/04/22 | 06/05/22 Extra class conducted |
| | V-IV - Communication Electronics Introduction, Block diagram of basic communication system, Essential elements of AM Transmitter, AM receiver, Tuned radio frequency receiver, superheterodyne receiver, Characteristics of radio receiver, sensitivity, selectivity, fidelity & their measurements | 09 | 27/05/22 | 16/06/22 | 07 | 07/05/22 | 18/05/22 Extra class conducted |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. II

Subject : Physics

Paper Title : Electronic devices & equipments

Signature : Planned

Paper Number : SEC - II

| 01 Sr. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|------------------|---|---------------------|-------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | U-I - Basic Electricity Principles Resistance, Inductance, capacitor, voltage, current, power, Ohm's law, Kirchhoff's law, junction diode, transistor. | 06 | 23/02 22 | 06 | 23/02/22 09/03/22 | |
| | U-II - Understanding electronic circuits AC & DC sources, to analyze DC sourced electronic circuits, current & voltage drops across the DC circuit elements Rectifiers (half wave, full wave & bridge), Voltage regulator using Zener diode. | 06 | 14/03 22 | 06 | 14/03 22 | |
| | U-III Transistor applications CE amplifier's analysis & performance, CB amplifier, etc. Analysis & performance | 06 | 15/03 22 | 06 | 15/03 22 | |

ANNUAL TEACHING PLAN

Class & Division : B. Sc. II
 Paper Title : Electronic Devices & Equipments
 Paper Number : SEC - II

Subject : Physics
 Signature : [Signature]

| 01 S. No. | 02 Topic / Subtopic | 03 Planning | | 04 Execution | | 05 Remarks |
|-----------------|--|---------------------|----------------------|-------------------|----------------------|---------------|
| | | Expected Periods | From To | Actual Periods | From To | |
| | Hartley oscillator, Colpitts oscillator & their performance, Wein bridge oscillator & its performance | | | | | |
| | V-IV - Signal generators Block diagram, explanation & specifications of low frequency signal generators, Pulse generator, function generator | 06 | 11/04/22 20/04/22 | | 11/04/22 20/04/22 | |
| | V-V - Cathode Ray Oscilloscope Block diagram of basic CRO, construction of CRT, electron gun, electrostatic focussing & acceleration, Use of CRO for measurement of ac & dc voltages, time period, frequency, special features of dual trace CRO, study of Lissajous figures. | 06 | 25/04/22 09/05/22 | | 25/04/22 | |

