

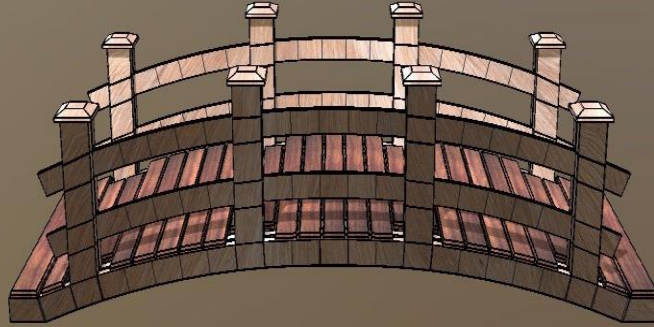


BACKWARD CLASS YOUTH RELIEF COMMITTEE'S
BHIWAPUR MAHA VIDYALAYA

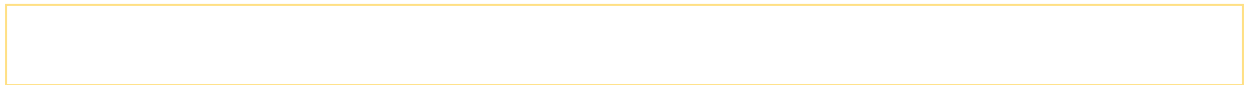
BHIWAPUR DIST. NAGPUR- 441201
ACCREDITED WITH GRADE 'B+' (CGPA-2.65) BY NAAC, BENGALURU
ISO-9001:2015

AFFILIATED TO RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR
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Syllabus of Bridge Course
Academic Session 2023 - 2024



Under Graduate
BA-I, B.Com-I & B.Sc. - I



FOREWORD

In the rapidly evolving landscape of Higher Education, the transition from pre-university and university level curriculum can be a challenging journey for many students. Recognizing the diverse academic backgrounds and varying levels of preparedness among the incoming students, we are pleased to introduce our Bridge Courses for BA-I, BSc-I, and B.Com-I programmes. These courses are designed to equip our students with the foundational knowledge and skills essential for success in their chosen fields of study.

The Bridge Courses aim to bridge the gap between previous educational experiences and the rigorous demands of Undergraduate Programmes. For students entering the Bachelor of Arts, Bachelor of Science and Bachelor of Commerce Degrees, these courses provide an invaluable opportunity to strengthen their academic foundation, build confidence, and foster a deeper understanding of core values and concepts.

Our curriculum has been thoughtfully developed by a team of dedicated Educators and Subject Experts, ensuring that each course is relevant, engaging, and aligned with the academic standards of our College. The BA-I Bridge Course focuses on Critical Thinking, Effective Communication, and the Humanities, providing a solid grounding in Arts and Social Sciences. The BSc-I Bridge Course emphasizes Scientific Principles, Mathematical Reasoning, and Analytical Skills, preparing the students for the challenges of Science and Technology. Meanwhile, the B.Com-I Bridge Course covers Fundamental Concepts in Accounting, Economics, and Business Management, laying the groundwork for a successful career in Commerce and Finance.

In addition to academic preparation, these Bridge Courses are designed to support Students' holistic development. Interactive Sessions, Group Projects, and Real-world applications are integral components, fostering collaboration, creativity, and problem-solving abilities. By the end of these courses, students will not only be academically prepared but also be equipped with the essential skills needed to navigate the complexities of University life and beyond.

We, at Bhiwapur Mahavidyalaya, are committed to providing an inclusive and supportive learning environment that encourages personal growth and academic excellence. As we embark on this new phase of our educational journey, we encourage the students to take full advantage of the resources and opportunities available through our Bridge Courses. We do believe that these courses will not only ease students' transition into Higher Education but also lay a strong foundation for their future Academic and Professional endeavours.

Welcome to our community of dedicated educators and learners. We look forward to accompanying you on this exciting and transformative journey.

Date- 10 October, 2023

Dr. Jobi George
Principal
Bhiwapur Mahavidyalaya

BRIDGE COURSE POLICY FOR BHIWAPUR MAHAVIDYALAYA

Attending a Bridge Course organized by a Higher Education Institution (HEI) often follows a set of policies designed to ensure the course's effectiveness and the participants' commitment. Some of the basic rules to be strictly followed by the students admitted into various disciplines of the HEI are as follows:

a. Course Duration and Schedule

Bridge Courses will be run for a week-long duration as per the Time-Table displayed on the Notice Board and Institutional Website.

b. Attendance Requirements

All the students admitted to First year are required to attend the classes during their regular Time-Table Hours.

c. Assessment and Evaluation

The assessment of the said Course/ subject would be the sole discretion of the concerned departments. It could be either a written test or a field work or a power - point presentation.

d. Code of Conduct

Students' behaviour should be in accordance to the Code of conduct and academic honesty and integrity should be maintained throughout the session.

e. Support Services

Students have access to Counselors in the form of Mentor teachers and the Counseling Center available in the College should address their academic or personal issues.

f. Feedback

Online Feedback forms are available on the Institutional Website.

Date- 10 October, 2023

Dr. Jobi George
Principal
Bhiwapur Mahavidyalaya

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Undergraduate

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BA-I	1	English
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	9	Marathi Literature
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	14	Business Economics
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	19	Chemistry I & II *
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	23	Chemistry I & II*
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	25	Zoology I & II

Department of English
Syllabus of Bridge Course

Course Title	Compulsory English
Instructor	Dr. Vinita S Virgandham
Contact Information	Email: vinita123virgandham@gmail.com Phone: 9372427106
Course Duration	7 August 2023 to 13 August 2023
Class Schedule	Days: 7 Time: 7.45 a.m. to 8.33a.m. Location: Classroom allotted in the Time-Table
Course Description Syllabus	Unit –I Introduction to Prose Unit -2 Introduction to Poetry Unit -3 Introduction – Writing Skills Unit-4 Introduction -Language Study Unit -5 Picture Comprehension
Prerequisites	Basic understanding of English Grammar, Written and Oral Communications.
Course Objectives	1. To make students understand the worth of self- study and introducing them to Note- making and Note-taking. 2. To introduce students to the evaluation and assessment system in Higher Education.
Required Materials	Reference Books, White Board, Power Point Presentation and Worksheets
Evaluation Methods	1. Picture Comprehension as assignment for evaluation

DEPARTMENT OF MARATHI

अभ्यासक्रम

बी.ए.भाग-1. मराठी

:-मराठीसाहित्य महामंडळाचेलेखनविशयक नियम-(शुध्दलेखन)

1) अनुस्वार (टिंब)

उदा. चिंच,तंटा,निबंध,गुलकंद,जातांना,पंडित, चंचल.

अ) नामांच्या व सर्वनामांच्याअनेकवचनीसामान्यरूपांवरविभक्तीप्रत्यय व षब्दयोगीअव्यय लावतानाअनुस्वार द्यावा. (एकवचन)(अनेकवचन)

उदा. लोकांना, मुलांनी, घरांपुढे, तुम्हांस, लोकांसमोर.

उदा.मुलास(एकवचन) मुलांस (अनेकवचन)

घरात (एकवचन) घरांत (अनेकवचन)

ब) लिंगानुसारबदलणाऱ्याविषेशणांच्यानपुसकलिंगी रूपावर येणारेअनुस्वार-

उदा. काळीं-गोरीं (मुलंे) चांगली (फळें) पांढरी (फुलें)

अर्थभेद-उदा. नाव (नौका), नांव (नाम), पांच (संख्या) पाच (रत्नप्रकार), कां (कारण) का (काय)

2) उहस्व-दिर्घ

मराठीतीलतत्समइ-कारान्तआणिउ-कारान्त षब्ददिर्घलिहावा.

उदा. कवी, मती, गती. पाटी, जादू, विनंती.

ः-उपान्त्य दिर्घई-ऊअसलेल्या षब्दाचाईकार-ऊकारसामान्यरूपाच्यावेळीउहस्वलिहावा.

उदा. गरिबास,वकिलांना, सुनेला, वसुलाची, नागपुरास.

3) पूरहाग्रामवाचक षब्दकोणत्याहीग्रामासलावतानादिर्घोपान्त्य लिहावा.

उदा. भिवापूर, नागपूर, तारापूर, चंद्रपूर, सोलापूर.

ः-व्यावहारिकमराठी: स्वरूपआणिभूमिका-

अ) पत्रलेखन

ब) सारांशलेखन

क)बातमीलेखन

ड) मुलाखतलेखन

इ)भाशांतर

Department of History
Syllabus of Bridge Course
Duration:01/08/2023 - 05/08/2023

Sl. No.	Name of the Topic	Objective	Areas to be covered	Suggested Methodology	Teaching Aids	Time & Date
01	What is History? Its appearance and scope	To make the students aware of the meaning of History, its interpretation as well as the nature and scope of History	From ancient times to modern times	Lecture cum interaction with Students	White Board & Marker pen	1/8/2023 Time 11 to 11.45
02	Tools of history 1) Primary tools 2) Secondary devices	Explain the importance of primary and secondary tools to the students	Primary Tools - Physical Tools, Intangible Tools, Literary Tools, Non-Physical Tools	Lecture cum interaction with Students	White Board & Marker pen	2/8/2023 Time 11.45 to 12.30
03	Prehistoric	To impart knowledge of prehistoric times to the students	Paleolithic or Old Stone Age, Neolithic Age and	Lecture cum interaction with students	White Board & Marker pen	3/8/2023 Time 11 to 11.45

			Metal Age			
04	Subaltern, local and oral History	Explain the importance of Subaltern, local and oral History	From ancient times to modern times	Lecture cum interaction with Students	White Board & Marker pen	4/8/2023 Time 11.45 to 12.30
05	Studies and teaching methods in History	Explain to students the teaching and learning methods in History	From ancient times to modern times	Lecture cum interaction with students	White Board & Marker pen	5/8/2023 Time 11 to 11.45
06	Importance of History	Explain the importance of History	From ancient times to modern times	Lecture cum interaction with students	White Board & Marker pen	7/8/2023 Time 9.15 to 10.00

DEPARTMENT OF ECONOMICS
Syllabus of Bridge Course
DURATION: 07/08/2023 TO 13/08/2023

Sl. No.	Name of the Topic	Objective	Areas to be covered	Suggested Methodology	Teaching Aids	Time & Date	Students Attended
01	Basic concept of Economics	Importance of welfare & wealth	Meaning & definition of welfare, relation between welfare and wealth	Lecture cum interaction with students	Lecture cum interaction with students	48 Minutes 7/8/23 10.19 to 11.07	34
02	Basic concept of Economics	Importance of basic concept in Economics	Demand: meaning & definition supply: meaning & definition	Lecture cum interaction with students	White Board	48 Minutes 8/8/23 9.16 to 10.04	34
03	Basic concept of Economics	Importance of basic concept in Economics	Utility: Meaning, definition, types & characteristics	Lecture cum interaction with students	White Board	48 Minutes 9/8/23 9.16 to 10.04	32
04	Nature and scope of Economics	Importance of the study of nature and scope of Economics	Nature, scope & limitation of Economics	Lecture cum interaction with students	White Board	48 Minutes 10/8/23 10.19 to 11.07	32
05	Economics- Definition	Understand the importance of the	Definition: Adam smith, Dr. Marshal, Prof. Robbins	Lecture cum interaction with students	White Board	48 Minutes 11/8/23 8.28 to	28

		definition of Economics				9.16	
06	Teaching methods of Economics	Importance of the Teaching Methods in Economics	Micro & Macro Methods: meaning, definition, advantages and dis-advantages	Lecture method & Activity method	White Board	48 Minutes 12/8/23 8.28 to 9.16	28
07	Teaching methods of Economics	Importance of Teaching Methods in Economics	Deductive & Inductive Methods: Meaning, definition, advantages and dis-advantages	Lecture method & Activity method	White Board	48 Minutes 13/8/23 11.00 to 11.48	22

**Department of Political Science
Syllabus of Bridge Course**

UNIT I

- Introduction to subject
- Scope of Political Science
- Basics of Political Science
- Introduction to Traditional and Modern Political Science

UNIT II

- Basics of Indian Political System (Constitutional point of view)
- Indian Parliament: President, Legislature and Executive
- Government (Central and State) and Administration
- Judicial System: Composition and salient features

UNIT III

- Process and means of Political Socialization
- Political Parties (National and State)
- Pressure Groups and NGO

UNIT IV

- Meaning of Theory and Practice
- Introduction to Natural Rights, Human Rights and Fundamental Rights
- Introduction to Liberty and Equality
- Introduction to Justice

**DEPARTMENT OF SOCIOLOGY
Syllabus of Bridge Course**

Duration- One week

Teaching Hours – as per the schedule (Time Table) 03/08/ 2022 to 13/08/2022

48 minutes each every day

Beneficiaries-B.A. I Sem. Sociology Students

Subject-Relevant Subjects of First Year

Objectives

1. This Course is aimed to induct the students to sociology as the beginner of the subject.
2. This Course is aimed to give the students wider exposure on the basic concepts in Sociology

Course Outcomes:

1. To create general awareness and increase understanding about the subject.
2. To prepare the students who did not opt Sociology subject at HSC level.
3. To enhance the understanding of students regarding the difference between previous study of sociology and graduation level.

Unit –I

1. Understanding Sociology

- A. Meaning of Sociology
- B. Relations of Sociology with Human Life
- C. Need of Sociology

Unit II

2. Emergence of Sociology

- A. Sociology and Renaissance
- B. Sociology and Great Transformation
- C. Evolution of Sociology as Science

Unit III

3. Sociology for Development

- A. Sociology as Career
- B. Sociologist as Social Engineer
- C. Sociologist as Researcher

Unit IV

4. Perspective in Social Understanding

- A. Sociology as a Science
- B. Sociology as a Critique of Society
- C. Social phenomenon as a material

Methodology - Lecture method

Conclusion - Unit test conducted & found that these concepts cleared the doubts of students.

ENGLISH LITERATURE (New Course as per NEP2020)

Introduction:

Students will be introduced to different Literary Terms and Historical, Social & Cultural Background of English Literature of the 16th Century. A brief glimpse of the Bridge Course will orient the learners to appreciate literature in its originality.

Methodology: Lecture Method

Beneficiaries: Students of BA-I English Literature as optional subject.

Duration: One week (7 August 2023 to 13 August 2023)

Syllabus

Unit –I

Introduction to Section A- Historical, Social & Cultural Background

Unit -2

Introduction to Section B – Literary Terms

Unit -3

Introduction to Poetry especially Sonnets

Unit-4

Introduction to Prose (Essays)

Unit -5

Introduction to Drama (William Shakespeare's Romeo & Juliet)

Methodology:- Lecture Method

Conclusion

Bridge Course yielded visible outcomes as each unit was extensively dealt with referring to the Historical, Social & Cultural Background.

Faculty of Science Compulsory English Syllabus for Bridge Course

- Significance of English Language
- Basic English Grammar
- Vocabulary and its usage
- Picking out difficult/unfamiliar words
- Basic concepts of Tenses
- Sentence formation and transformation
- Listening and speaking skills mainly concentrating on conversation
- Introducing yourself
- Yes/No questions
- Interview skills
- Developing listening, reading, writing and speaking skills
- Public speaking, group discussions, debate
- Resume writing

- Etiquettes and Manners

**DEPARTMENT OF MARATHI
SYLLABUS of BRIDGE COURSE
MARATHI**

मराठीसाहित्य महामंडळाचे लेखनविषयक नियम (शुध्दलेखन)ः

1. अनुस्वार (टिंब)ः

उदा. आंबा, इंदु, निबंध, पंडित, चंचल

अ) नामांच्या व सर्वनामांच्या अनेकवचनी सामान्य रूपांवर विभक्तीप्रत्यय व शब्दयोगी अव्यय लावतांना (एकवचन, अनेकवचन)

उदा. मुलांनी घरांपुढे आणिलोकांसमोर

उदा. मुलास (एकवचन) मुलांस (अनेकवचन)

घरात (एकवचन) घरांत (अनेकवचन)

ब) लिंगानुसार बदलणाऱ्या विशेषणांच्या नपुंसकलिंगी रूपावर येणारे अनुस्वार

उदा. चांगली (फळे) काळीगोरी (मुले)

अर्थभेद-उदा. नाव (नौका) नांव (नाम)

2. उहस्व-दिघर्ः

मराठीतील तत्सम इ-कारान्त आणि उ-कारान्त शब्द दिर्घलिहावा.

उदा. गती, मती, कवी, पाटी, विनंती, जादु

उपान्त दिर्घ इ-ऊ असलेल्या शब्दांचा ईकार-ऊकार सामान्य रूपाच्या वेळी उहस्व लिहावा.

उदा. वकीलांना सुनेलाव सुलांची

3. पूरहाग्रामवाचक शब्दकोणत्याही ग्रामनामास लावतांना दिर्घां पान्त्य लिहावा.

उदा. चंद्रपूर, नागपूर, सोलापूर, तारापूर

व्यावहारिक मराठी: स्वरूप आणि भूमिका-

अ) पत्रलेखन

ब) बातमीलेखन

क) मुलाखतलेखन

ड) सारांशलेखन

ठ) भाषांतर

Fundamental Accounting Syllabus of Bridge Course

Unit I

Objective of Book Keeping, Type of accounting, Difference between Bookkeeping and Accounting

Unit II

Function of Accounting, System of Book-Keeping, Indian System of Book-Keeping

Unit III

Principle of Double Entry System, Capital Expenditure and Revenue Expenditure, Capital Income and Revenue Income

Unit IV

Journal Entries, Cash Book, Trading Account, Profit & Loss Account, Balance Sheet.

M.S. Office Syllabus of Bridge Course

Unit I

Microsoft Word Introduction, Backstage View (File): Creating, Saving, Opening, Closing of Document. Word Art, Special Symbol, Icon, Smart Art

Unit II

Introduction of Excel, Backstage, View (File) Excel Tool Bar, Working with Worksheet Data Formatting Cell Row, Column Sheet.

Unit III

Out Line Group, Ungroup, Subtotal, Conditional Formatting, Function and formulas, Date and time Functions, Creating Effective Table & Charts, Text Function.

Unit IV

Introduction of PowerPoint, Backstage View (File) Slide Layout, Formatting in PowerPoint, ToolBars, Inserting Clip Art, Picture, Slide Origination Chart, Smart Art, Slide Show.

Business Economics Syllabus of Bridge Course

Unit I

1. Economics-Meaning.
2. Business Economics- Meaning, Scope and objectives.
3. Difference between Economics and Business Economics.

Unit II

1. Micro Economics - Definition, scope, merits and demerits.
2. Macro Economics- Definition, scope, merits and demerits.

Unit III

1. Law of Demand, Examples.
2. Demand determinants.
3. Changes in demand
4. Exceptions to the law of demand
5. Giffen's paradox

Unit IV

1. Law of Supply, Examples. & Criticisms
2. Factors influencing supply
3. National Income

DIGITALMARKETING Syllabus of Bridge Course

Unit1:Introductiontomarketing

Meaning,concept,importance,advantages,objectives,factorsaffecting digital marketing, Difference between Traditional Marketing and Digital Marketing.

Unit2: Types of Digital Marketing and the use of Digital Marketing

Content Marketing, Search Engine Optimization, Search Engine Marketing or Pay-per-Click, Social Media Marketing, Email Marketing, Mobile Marketing, Video Marketing, Marketing Analytics and Affiliate Marketing

Unit3:Digital Marketing in Business

Meaning and concept of business, steps to an effective Digital Marketing strategy, role of Digital Marketing for effective business growth,

Unit4: Digital Marketing Examples (Trending)

Meaning – Blog, YouTube, Instagram, Facebook, Flip kart, Amazon

Faculty of Science

Notice

All the students of First Year B.Sc. are hereby informed to attend One Week Bridge Course from **07 August 2023 to 12 August 2023** as per the Time Table given below.

Bridge Course Time Table w.e.f. 07 August 2023

Day	1	2		4
Time	11.15 am to 12.00 pm	12.00 pm -12.45 pm	12.45 pm -1.15 pm	1.15 pm -2.00 pm
Monday	Chemistry	Phy/Zoo	Recess	Math's/Bot
Tuesday	Chemistry	Phy/Zoo		Math's/Bot
Wednesday	Chemistry	Phy/Zoo		Math's/Bot
Thursday	Chemistry	Phy/Zoo		Math's/Bot
Friday	Chemistry	Phy/Zoo	Math's/Bot	
Saturday	Chemistry	Phy/Zoo	Math's/Bot	

Department of Physics Syllabus Bridged

PAPER-I

- Elasticity, modulus of elasticity
- Viscosity
- Surface Tension
- Newton's Laws of Motion
- Moment of Inertia
- Oscillation
- Simple Harmonic Motion
- Stationary Waves
- Thermal Properties of Material
- Kinetic Theory of Gases.

PAPER-II

- Electrostatics, Dielectrics
- Electromagnetic Induction
- Time Varying Field and Electric Current

Department of Chemistry

Concept- A Bridge Course is a University-preparation course for newly admitted students with an academic curriculum that is offered to mature students as a means of preparing for the intellectual challenges in education at university level. Successful completion of Bridge Course helps the students to compensate the gap between pre-university and university level curriculum. Bridge Course is a tool to help students succeed in their graduate level studies.

Necessity- It is primarily offered courses to students who need to improve their understanding in subjects that relate to particular study programmes. Bridge Course is short, focused learning programmes designed to help junior College students to enter in Higher Education Institutions.

AIMS and OBJECTIVE-The main objective of the Course is to bridge the gap between subjects studied at pre-university level and subjects they would be studying at Under Graduate level.

DURATION-1 week (from 07/08/2023 to 12/08/2023)

DATE OF COMMENCEMENT-07/08/2023.

Syllabus Bridged Inorganic Chemistry

Unit I- Periodic table Periodic trends in properties of Elements - a) Atomic radius- b) Ionization potential -c) Electronegativity -d) Ionic radius- e) Density.

Organic Chemistry

Unit I- Some basic concepts of Chemistry, Atomic and Molecular Structure, Periodic table and their properties, Solid State, Solution and Colligative Properties, Chemical Thermodynamics, Coordination Chemistry.

Unit II- Fundamentals in Organic Chemistry, Aliphatic (Alkanes Alkenes and Alkynes) and Aromatic Hydrocarbons, Alcohols Phenol and Amines, Introduction to Carbonyl and Carboxyl Chemistry, IUPAC nomenclature, Biomolecules, Chemistry in everyday life.

Physical Chemistry

Unit I- State of Matter 1. The three states of matter 2. Intermolecular interaction 3. Hydrogen bonding 4. The gaseous state 5. Boyle's law, Charles law. 6. Gay Lussac's law, Avogadro law 7. Kinetic theory - molecular speeds 8. Liquid state 9. Vapour pressure 10. Surface tension 11. Viscosity.

Department of Mathematics

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes.

Concept - A bridging course is a University-preparation course with an academic curriculum that is offered to mature students as a means of preparing for the intellectual challenges of a University education. Successful completion of which is recognized as a basis of admission to the University. Bridge Courses are tools to help students to succeed in their graduate level studies.

Necessity – It is primarily offered to students who need to improve their understanding in subjects that relate to particular study programmes. Bridging courses are short, focused learning programmes designed to help high school students to enter in higher education Institutions.

Objective

- 1) The main objective of the course is to bridge the gap between subjects studied at School/ Jr. College level and subjects they would be studying in B.Sc.
- 2) To make "learning of Mathematics as a pleasant experience".
- 3) To improve the confidence of the Slow Learners to meet the knowledge requirements.
- 4) To prepare the new entrants for the intellectual challenges of a University education.

Duration - 1 week (from 07/08/2023 to 12/08/2023)

Commencement of Course – 07 August 2023.

Syllabus Bridged

I. Complex Number

Introduction of Complex Number - Fundamental Operations with complex number

Absolute Value - Properties of absolute value - Complex Conjugate - Properties of conjugate
Argand Diagram - Polar form - Argument

II. Matrices

Introduction of matrices - Types of matrices -Operations on matrices.

Properties of matrices – Applications of matrices -Determinants - Relation between matrices and determinants - Properties of determinants.

III. Differential Calculus

Limits and continuity - Concepts of continuity - Derivatives of a function - Differentiation rules - Derivatives of trigonometric function.

Chain rule - Techniques of differentiation - Total and partial derivatives.

IV. Integral Calculus

Introduction of Indefinite and definite integrals- Properties of Indefinite and Definite Integrals-Proper and improper integrals-Applications of integration

Integration by Substitution - Integration by Parts - Integration by Partial Fraction

V. Differential Equations

ODE - PDE - Applications of ODE & PDE - Formation of ODE & PDE.

Order - Degree of differential equations-Applications of Differential equation

Linear & non-linear - Homogeneous & non homogeneous equations.

DEPARTMENT OF ZOOLOGY
Syllabus Bridged

Unit I - Animal kingdom:

- 1.1. Phylum Porifera,
- 1.2. Phylum - Coelenterata (Cnidaria,)
- 1.3. Phylum Platyhelminthes, Phylum - Aschelminthes (Nemotoda),
- 1.4. Phylum - Annelida

Unit II- Environmental biology:

- 2.1. Biodiversity
- 2.2. Conservation of biodiversity
- 2.3. Causes of reduction of biodiversity
- 2.4. Pollution

DEPARTMENT OF BOTANY
Syllabus of Bridge Course

Unit I -

What is Botany – Concept, meaning, Father of Botany, different Botanists& their work, Indian Botanist, evolution of Plants?

Cell – Prokaryotic and Eukaryotic Cell, DNA, Chloroplast, Mitochondria, Nucleus, Endoplasmic Reticulum,Ribosomes.

Systematic Botany-Concept of classification, how to write classification system, plant classification (5kingdom System of classification), Important characters.

Unit-II

Plant body-Introduction of Morphology, Introduction of Botanical terms & taxonomic terms, Economic importance of plant.

Unit III

Viruses and prokaryotes-Difference between prokaryotic cell and Eukaryotic cell, General characteristics of Viruses, Types of Viruses, Economic importance of Viruses.