



Nutan Vidyalaya Shikshan Sanstha's  
**Nutan Mahavidyalaya Sailu, Dist.Parbhani**



**PROGRAM OUT COMES OF B.A.**

**A) COMPULSORY ENGLISH**

**Compulsory English- First**

**Year Semester I**

1. The Department introduced the students with short stories and essays on a variety of topics.
2. The teachers in the department encouraged the students to understand and appreciate prose writings of well-known writers
3. We tried to make students understand the importance of prose and how it differs from that of poetry.
4. We teach the students the grammar items such as antonyms and synonyms.
5. We encouraged them to write grammatically accurate imaginative prose passages, letters, short reports etc.

**Compulsory English- First**

**Year Semester II**

1. The teachers in the department encouraged the students to understand and appreciate short lyrical poems.
2. Motivated them to understand and enjoy the inherent rhythmic beauty of lyrical poetry.
3. Introduced the students to famous world poets such as Shakespeare, Blake and Tagore.
4. We, the teachers in the department, taught various grammar items and general language skills.
5. The students were taught the difference between verbal and non-verbal communication.

## **Compulsory English- Second**

### **Year Semester III**

1. We, the teachers in the department, introduced the students with short stories, essays on a variety of important topics.
2. Encouraged them to understand and appreciate prose writings of well known writers.
3. We helped our students to learn grammar items such as idioms, phrases, and reported speech.
4. We tried to equip them with grammatical knowledge to enable them to write grammatically correct sentences.
5. We took special care to enable them to prepare them for competitive examinations.

## **Compulsory English- Second**

### **Year Semester IV**

1. We encouraged our students to understand the brief history of poetry and its peculiarities.
2. Encouraged our students to understand and appreciate short lyrical poems.
3. We made an attempt to acquaint them with world famous poets such as Wordsworth, Blake, Keats, Byron, Browning and Tagore.
4. We developed in the students communicative competence by encouraging them to learn to read and write and listen good English.
5. The teachers also tried to make the students understand as to what is non-verbal communication and its importance.

**Optional English-First Year  
Semester I**

**Paper No. I**

**Title: Study of Fiction- Short Story**

**Overall Outcome of Under Graduate Course**

1. The students were acquainted with the literary genre of “fiction”, particularly short story.
2. Introduced the meaning, types, features and functions of ‘short story’
3. Encouraged them to read, understand and appreciate short stories.
4. Introduced them to the world of famous short story tellers from England, America and India.
5. Inculcated in the students the habit of reading short stories.

**Semester I****Paper No.****II****Title: Study of Fiction- Short Story**

1. Acquainted the students with the literary genre of 'drama', mainly One Act Play.
2. The students were introduced the meaning, types, features and functions of 'One Act Play'.
3. The teacher tried to make students understand the mechanics of stage performance/acting/theatre direction etc.
4. The students were encouraged to understand and appreciate the literary art of play writing.
5. We encouraged the students to watch and enact one act plays. As a result we could stage an award winning drama.

**Semester II****Paper No.****III****Title: Study of Fiction- Short Story**

1. Acquainted the students with the literary genre of 'fiction', mainly novels.
2. The students were introduced the meaning, types, features and functions of novels.
3. The teacher tried to make students understand and appreciate themes, motifs, symbolism and characters in the novels selected from diverse cultural milieu.
4. We introduced the students with the world famous novelists such as Conrad,

Hemingway and R.K. Narayan.

5. We also encouraged the students to try to write remarkable incidents in their life.

**Semester II****Paper No.****IV****Title: Study of Drama- Full Length Play**

1. Acquainted the students with the literary genre of 'drama', mainly full length play.
2. The students were introduced the meaning, types, features and functions of full length drama
3. The teacher tried to make students understand the mechanics of stage performance/acting/theatre direction etc.
4. The students were encouraged to understand and appreciate the dramatic art of play enactment.
5. We encouraged the students to watch and enact one dramas. As a result we could stage an award winning drama.

**Optional****English Paper****No. V****Title: Study of Poetry- Sonnets and Elegy**

1. We teachers explained the genre 'poetry' to the students with a short history of world poetry.
2. Introduced them to the form of 'sonnet' and 'elegy'.
3. We, the teachers in the department, types, features and functions of sonnet and elegy.
4. Introduced them with world famous sonnets and elegies.
5. The teachers tried to inculcate the habit of reading poetry in the students.

**Semester IV**  
**Optional**  
**English Paper**  
**No. VII**

**Title: Study of Poetry- Odes and Ballads**

1. We teachers explained the genre 'poetry' to the students with a short history of world poetry.
2. Introduced them to the form of 'odes' and 'ballads'.
3. We, the teachers in the department, types, features and functions of odes and ballads.
4. Introduced them with world famous odes and ballads.
5. The teachers tried to inculcate the habit of reading poetry in the students.

Paper – Literary Theory and Criticism

1. The students were introduced to the emerging literary theories in world criticism.
2. The teachers acquainted the students with the practical criticism.

### **Paper IX- Modern English Structure**

1. The students were acquainted with English speech sounds, syllable and its uniqueness.
2. Study of phonemic transcription and consonant cluster was carried out.
3. We helped the students understand the world accent and intonation in English speeches.
4. The study of dialects, idiolects and varieties of English was taken up.

### **Paper XI- Indian Writing in English**

1. Introduced Indian English Literature to the students.
2. History of Indian poetry was presented before the students.
3. Attempts were made in enabling students understand Indian poetry since its beginning.
4. Indian English novel was introduced to the students.
5. The scenario of English in India was discussed explaining many many vernacular languages and its impact on the Spoken variety of English coming from each vernacular language group.

## **B) SL**

### **1) HINDI(SL)**

1. Develop competency in Literary Forms(Hindi Poetry & Fiction).
2. Develop Reading ,Writing, & Communication Skill in Hindi.
3. Get information about the History of Ancient, Medieval and modern Hindi Literature.
4. Learn the Literary works on the basis of foundation laid by the scholars.
5. Get Information about the Literary Theory.
6. Develop Approach of Hindi Linguistics & Grammar.
7. Get the jobs for their livelihood.
8. Be Motivated for their further education.



## **2) MARATHI(SL)**

### **BA FY I SEM**

1. Students can understand types of literature prose and poetry
2. Students have introduced Medium and Modern prose literature.
3. Students have partly introduced of Medieval and modern Marathi poetry literature.
4. Students have gained how to use language to develop the personality.
5. Students acknowledgement/learned today English words alternative Marathi words.
6. Students introduced values like 'Truth', 'Freedom' and eagerness knowledge through Marathi stories and poems.

### **II SEM**

1. Students understand language different of prose and poetry between medieval and modern.
2. Students learned values of character to learned and mutual understanding through prose study.
3. Students introduced medieval and modern Eris type of poetry and its different aspects.
4. Students introduced with letter writing skill and introduced with official letter writing.
5. Students can conduct a program as well as Anchoring.

**3) SANSKRIT(  
SL)BA FY  
FIRST SEMESTER**

**Nitishatakam**

**Aims :**

1. students learnt how to judge fool people from society.
2. Students learnt to know good people.
3. Students learnt that "We can't satisfy fool people".
4. Students learnt that "Laziness is the biggest enemy of human being".  
Hence don't be lazy.
5. Students learnt that you should be consistent in your work.
6. Students learnt that doesn't care about joy or sorrowness until you reach your aim.
7. Students learnt that to spend their life for people and society like a tree.
8. Students learnt the importance of knowledge
9. Students understood the importance of wealth.
10. Students understood the importance of wise.
11. Students learnt to have patience even under the crises, etc.

**SECOND SEMESTER**

**Vaidyakiya subhashite ( 'ÉètEòÒAÉ °ÉÖ!ÉÉÊ'ÉiÉä)**

**Aims :**

1. Students understood the importance of air, pranayam, the types of pranayam, how precious pranayam is.
2. Students are able to understand the importance of bath, types of bath,
3. Students learnt the importance of purism, types of purism, how to keep all type of purism.
4. students are clear about the importance of water, they know types of water, water is priceless and they are trying to save water.
5. Students are able to understand importance of food.

## 2. Sanskrit- Marathi Rinanubandh (०ÉÆ°EPðìÉ-´É®úÉ`öÒ @ñhÉÉxÉÖ᳚ÉxvÉ)

### Aims :

1. Students are able to understand the importance of both Marathi and Sanskrit languages.
2. Students are able to know the borrowed words, the allied words.
3. They are clear about the knowledge of both Marathi and Sanskrit languages which helps them in various competitive exams in future.

## BA SY

### Third semester

#### 1. Hitopdesha and Sanskrit sahyacha sopapattik itihās

(1.Ê½þiÉÉä{Énäu᳚É / 2. ०ÉÆ°EPðìÉ ०ÉÉÊ½þiAÉÉSÉÉ ०ÉÉä{É{ÉÊkÉÉè <ÊiÉ½þÉ°É)

### Aims :

1. Students got knowledge through stories.
2. Students identified the good and bad people.
3. Students learnt that not to have averse as averse will cause great damage in their social life.
4. Students aware about the importance of knowledge.
5. Students are able lead to a ideal citizen.

#### 2. Sanskrit sahyacha Sopapattik Itihās (०ÉÆ°EPðìÉ ०ÉÉÊ½þiAÉÉSÉÉ)

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**Aims :**

1. Students have knowledge of the history of Sanskrit language.
2. Students know about types of stories.
3. Students are able to start writing various stories.
4. Students got practical knowledge through these stories.

**Fourth semester**

**1. Karnbharam / 2. Vimansthan adhyaya (Charaksanhita)**

(1.EòhÉÇ|ÉÉ®ú·ÉÂ 2. Ê'É·ÉÉxÉ°|ÉÉxÉ +vAÉÉAÉ)

**Aims :**

1. Students know about types of dramas, the importance of character "Karna" in Mahabharat.
2. Students obey the elders. they accept the habit of donating and they stand upon their own promise.

**2. Vimansthan adhyaya charaksanhita (Ê'É·ÉÉxÉ°|ÉÉxÉ +vAÉÉAÉ)**

**Aims :**

1. students know the importance of Charaksanhita, Aayurved shastra.
2. Students are capable to identify good books as well as judge the ideal teacher.
3. student tried to become a good student.

BA 3<sup>rd</sup> year Vth sem

### Functional Hindi

- Students can define the meaning and characteristics of Functional Hindi.
- Students understood the format of advertisement.
- Students can draft advertisement and various forms of formal writing.

### BA 3<sup>rd</sup> year VI th sem

#### Functional Hindi

- Students studied various social medias and their connection.
- Students can draft the news, conversation, Television script and other formal drafts required for social media.
- Students studied at micro level of news letters.

### BA 3<sup>rd</sup> year V th sem

#### History of Hindi and Hindi literature

- Students learnt the History of Hindi language.
- Students learnt the History of Hindi literature.
- Students learnt the development of Hindi Literature.
- Students understood the format of autobiography.

### BA 3<sup>rd</sup> year VI th sem

#### History of Hindi and Hindi literature

- Students learnt the literature and History of Modern Hindi.
- Students learnt various kinds of Hindi literature, feminism, tribal literature.

### BA 3<sup>rd</sup> year V th sem

## Educational Language and Literature

- Students learnt the 'Devnagari's Script' and its history.
- Students learnt the grammatical structure of Hindi language.
- Students learnt Hindi literature at microlevel.

## BA 3<sup>rd</sup> year VI th sem

- Study of Hindi language in Education system of India.
- Students learns gender, parts, tense etc. grammatical structure of Hindi language.
- Students learnt the figure of speech and its types in Hindi.

### B.A.F.Y – Political Theory paper I,III

- 1) To study political theory.
- 2) To know the nature of both types political theory.
- 3) To know the comparative political system.
- 4) To know the basic political concepts.
- 5) To understand the Democracy and states
- 6) Introduction of equality, justice, liberty.

### B.A.F.Y – Political Theory paper II,IV Government and Politics of Maharashtra

- 1) Introduction of Maharashtra state.
- 2) To know the Sanyukt Maharashtra ,
- 3) To study the observation.
- 4) To know the history of the Maharashtra state.
- 5) To know the Maharashtra state government.
- 6) To understand the political parties in Maharashtra state

### B.A.S.Y. Indian Constitution Paper-V,VI

- 1) Introduction of the making of the Indian Constitution.
- 2) To know the Characteristics of Indian Constitution.
- 3) To understand the government of India.

- 4) To study of India political system.
- 5) To know the political parties in India.
- 6) To know the democratic system in India

### Course Out Come

#### B.A.S.Y – International Relations Paper- VI,VIII

- 1) To study the intentional relations.
- 2) To introduce the international relation.
- 3) To understand the new trend in international relations.
- 4) To know the international theory.
- 5) To study the arms control and disarmaments.
- 6) To know the UN.
- 7) To know the general assembly and security council.
- 8) To know the international conflicts.
- 9) To know the Nato, SEA To, EU, OPEAC, SAARC, ASEAN and etc regional, organizations.

#### B.A.T.Y – Government and Politics of united kingdom, Paper-X

- 1) Introduction government of UK.
- 2) Character of United kingdom constitution
- 3) To study the theoretical frame work for the study state political process.

### Course Outcomes

#### BAFY History, Semester 1

**Paper No – 01 : “History of ancient India ( upto 647 AD )”**

**On the completion of the course, students will be able to.....**

- 1. Perceive various sources to study of ancient India.**
- 2. Know about the development and the achievements of man in the stone age.**
  - \_ Understand the glory of Indian History in the age of Harrapan civilization.**
  - \_ Comprehend the History of Vedic period.**
- 3. Understand the philosophy of Jainism and Buddhism.**
- 4. Perceive influence of political support on religion.**

Program course and specific outcomes BA, BCOM, BSC-20019-20-Nutan  
**Mahavidyalay, selu**

**BAFY History, Semester 2**

**Paper No – 03 : “History of ancient India ( upto 647 AD )”**

**On the completion of the course, students will be able to.....**

- 1. Know about the Mauryan Empire.**
- 2. Perceive socio-economic, religious situation under the Maurya.**
- 3. Comprehend about the Gupta period.**
- 4. Understand emergence of feudal system in Indian society.**
- 5. Understand the History of satvahanas, Shungas, Kushanas and hunas.**
- 6. Know about the Sangam age, the Cholas, Pallavas and Chalukyas.**

**Course Outcomes**

**BAFY History, Semester 1**

**Paper No – 02 “ History of India (648 – 1526 A.D.)”**

**On the completion of course, students will be able to.....**

- 1. Know about Sources of early Indian History.**
- 2. Understand the History of Rashtrakutas, Yadavas of Devgiri.**
- 3. Comprehend about the Vijaynagara Empire.**
- 4. Perceive the causes for Fall of Rajput dynasties.**
- 5. Know about the Bahamani Empire. BAFY History, Semester 2**

**Paper No –04 “ History of India (648 – 1526 A.D.)”**

**On the completion of course, students will be able to.....**

- 1. Understand early difficulties of sultans in India.**
- 2. Know About Gulam, Khilji, Tughlak, Sayyed & Lodhi Dynasties.**
- 3. Grasp territorial expansion of Sultanat period.**
- 4. Understand the administrative setup of Sultanat from central to local level.**
- 5. Know the system of trade & commerce during the period of Sultanat.**

Program course and specific outcomes BA, BCOM, BSC-20019-20-Nutan  
Mahavidyalay, selu



**6. Understand the Architecture during the Delh Sultanat.**

**B.A. Programs Outcome of Economics  
Program Specific Outcomes**

- 1) To able to understand Introduction of Economics.
- 2) To able to understand Branches sub-branches of Economics.
- 3) To able to understand Scope, Significance Limitation of Economics.
- 4) To able to understand Social Binding of Economics.
- 5) To able to understand Human life Utilization of Economics.
- 6) Understand the Economics way of thinking.
- 7) Be exposed to altenative approaches to economics problems through exposure to course work in allied fields.
- 8) To creat student ability to suggest of the various economics problem.

**Course Out Come**

**B.A.F.Y. Economics(micro), Students are able To:**

On completion of the course, students are able to :

- 1) To able to understand basic concepts of micro Economics.
- 2) To able to analyze micro and macro Economics.
- 3) To able to analyze Economics behaviour in practices.
- 4) To able to understand qumand & supply theorise.
- 5) To able to understand consumer behaviour concepts and thoeirse.
- 6) To able to understand Various theorise of factors.
- 7) To able to understand concept of interest & profit.

**\* BAFY SEM – I [ Co- Opration – Paper – II ]**

- 1) Aware about various types of partenarship.
- 2) Aware about various types of co-opration Act.

- 3) To able to understand importance of co-oration act.
- 4) Student are able to advantages and disadvantages of co-operation.

\* BAFY SEM – II [ Micro-Economics – Paper – III ]

- 1) An Introduction of concepts of production function.
- 2) To able to understand linear and non – linear functional relationship.
- 3) To able to understand various theories of production factors.
- 4) To able to understand concept of interest & profit.

\* BAFY SEM – II [Economy of Maharashtra – Paper – IV ]

- 1) To able to understand Introduction of Economy of Maharashtra.
- 2) To able to understand Concept of Population of Maharashtra & India.
- 3) To able to understand Concept o migration of rural & urban Population.
- 4) To able to understand agriculture revolution in India & Maharashtra.
- 5) To able to understand role of infrastructure in Economics development in Maharashtra.

\* \* BASY SEM – III Program outcomes Macro Economics  
Paper-V

- 1) To able to understand concept of national inome, employment ect.
- 2) To able to understand macro economics analysis.
- 3) Able to understand consumption and investment function.
- 4) Aware about various types of money.

\* BASY SEM – III Economics of Development & Envi. Eco VI]

- 1) To able to understand difference between growth & development.
- 2) To able to understand problems of Environment.
- 3) To able to understand Concept of sustainable development.

\* BASY SEM – IV Banking - Paper – VII

- 1) Student are able to understand history of banking sector.
- 2)To able to understand importance of financial sector in economics development.
- 3) To able to understand role of Baking sector stability in economy.
- 4) To able to understand Indian financial system.

\* BASY SEM – IV Economics Development & Planning

Paper - VIII.

- 1) To able to understand five year plan in India.
- 2) Aware about rural and urban arias poverty line.
- 3) Student are able to understand new policy in India.

\* BATY SEM – V Indian Economy

Paper - IX.

- 1)To able understand scope, nature & importance of Indian Economy.
- 2) To able to understand various sector in Indian Economic.
- 3) To able to understand importance or planning & faster economic growth.
- 4) Aware about Indian finance commission work-out.
- 5) To able to understand unemployment, bigger and child workers problems.

\* BATY SEM – V History of Economics thoughts

Paper - X.

- 1) To able to understand thoughts of mercantilism.
- 2) Aware about classical & Neo-classical thoughts.
- 3) To able to understand thoughts o Indian economic thinker.

\* BATY SEM – VI - Industrial Economics

Paper - XI.

- 1)To able to understand importance of industry ligations in economic development.
- 2) To able to understand location theory.
- 3) To able to understand small and large industry's role of Indian Economy development.
- 4) Aware about various types of industry.

\* BATY SEM – VI - Public finance.

Paper - XII.

- 1)To able to understand importance of public finance in economy.
- 2) To able to understand role at finance commission in Indian economy.
- 3) To able to understand federal finance in India.
- 4) To able to understand Indian tax system.
- 5) To able to understand public expenditure in India.
- 6) To able to understand public debt and defect finance.

\* BATY SEM – VI - International Economics..

Paper - XIII.

- 1) To able to understand importance of foreign trade in Indian economy.
- 2) To able to understand concept of balance of payment & balance of trade.
- 3) To able to understand in international trade theories.
- 4) To able to understand gains from international trade and trade policy.
- 5) To able to understand concept of exchange rates.
- 6) To able to understand concept of BOP and BPT.
- 7) To able to understand international capital movements and MNCs.
- 8) To able to understand concept of devaluation and convertibility of rupees.
- 9) To able to understand Euro Currency market.

\* BATY SEM – VI - Rural Economics

Paper - XIV.

- 1) To able to understand scope, nature & significance of rural economy.
- 2) To able to understand role a small scale industry in economy.
- 3) To able to understand role of financial institution (NABARDRRB, Cooperative Banks)
- 4) To able to understand economics of agriculture.
- 5) To able to understand Indian agriculture sector.
- 6) To able to understand agriculture prices, marketing and subsidies in India.
- 7) To able to understand agriculture finance , Insurance and capital formation.

Environment study

- Student became well aware about the environment and surrounding geography.
- Students got the knowledge of natural sources, its limitation.
- Students have started to take care of natural resources properly.
- Students got knowledge about various types of pollutions and remedies to overcome the problems of pollutions.
- Students are made aware on the global warming and its impact on the lives of planet earth.



Nutan Vidyalaya Shikshan Sanstha's  
**Nutan Mahavidyalaya Sailu, Dist.Parbhani**



**PROGRAM OUT COMES OF B.Com.**

**Compulsory English- First Year**

**Semester I**

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5. We encouraged them to write grammatically accurate imaginative prose passages, letters, short reports etc.

**B) SL 1) HINDI(SL)**

1. Develop competency in Literary Forms(Hindi Poetry & Fiction).
2. Develop Reading ,Writing, & Communication Skill in Hindi.
3. Get information about the History of Ancient, Medieval and modern Hindi Literature.
4. Learn the Literary works on the basis of foundation laid by the scholars.
5. Get Information about the Literary Theory.
6. Develop Approach of Hindi Linguistics & Grammar.
7. Get the jobs for their livelihood.
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## 2) MARATHI(SL)

1. Students can understand types of literature prose and poetry
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3. **Students have partly introduced of Medieval and modern Marathipoetry literature.**
4. Students have gained how to use language to develop the personality.
5. **Students acknowledgement/learned today English words alternative Marathi words.**
6. Students introduced values like 'Truth', 'Freedom' and eagerness knowledge through Marathi stories and poems.

## 3) SANSKRIT(SL)

### Nitishatakam

#### Aims :

1. students learnt how to judge fool people from society.
2. Students learnt to know good people.
3. Students learnt that "We can't satisfy fool people".
4. Students learnt that "Laziness is the biggest enemy of human being". Hence don't be lazy.
5. Students learnt that you should be consistent in your work.
6. Students learnt that doesn't care about joy or sorrowness until you reach your aim. Students learnt that to spend their life for people and society like atree.
7. Students learnt the importance of knowledge
8. Students understood the importance of wealth.
10. Students understood the importance of wise.
11. Students learnt to have patience even under the crises, etc.

**B.Com. I Year (1<sup>st</sup> Semester)****Paper : Financial Accounting****Course Outcome:**

- a. Students are able to define the concepts and fundamentals of financial Accounting system.
- b. Students are able to impart skills in accounting for various kinds of business Transactions.

**Specific Outcomes:**

- a. Students acquired the Meaning of Book Keeping and Accountancy, Accounting Concepts and Conventions.
- b. Students are able to explain the various types of Account and rules of Debit and credit, Journal, Ledger and Trial Balance, Revenue expenses and incomes, capital income and expenditure.
- c. Students are able to explain the Nature, meaning & need of maintaining subsidiary
- d. Students acquired Meaning, need, procedure of rectification of errors, types of Rectification of errors. Errors before preparing trial balance, errors after preparing trial balance and after preparing final Accounts and their rectification.
- e. Students are able to explain the b Meaning & Significance of final Accounts, preparation of Trading Account, profit & loss Account & Balance Sheet of sole trading concern with adjustments.

**Paper: BUSINESS COMMUNICATION - I****Course Outcomes:**

- i) Students adopted the basic Communication Skills.
- ii) Students are well aware of their personality in day-to-day life.
- iii) Students adopted techniques to improve speaking, learning, and interview skills of students.

**Specific Outcomes:**

- a. Students are able to Introduce and Define the Basic forms of communication and its process.
- b. Students are using different techniques of Effective communication. Development of positive personal attitudes.
- c. Students used SWOT analysis techniques for self. .
- d. Students can distinguish Formal and Informal communication network.
- e. Students trying to minimize the Barriers of communication of own.
- f. Students trying to improve communication.
- g. Students are able to define the various skills of Group discussion, Seminar, Mock interview.
- h. Students acquired number of writing skills as Drafting of business letters, : Sales letter, office memorandum, Memo formats, Applications for Job, Enquiry letter, Request letter, Report writing etc.
- i. Students acquired the proper way of Listening Skill and Principles of Effective listening, factors affecting listening skills. Interviewing Skills - Appearing an interview, conducting interviews. Speaking skills - Principles of effective speaking.



## **B.Com. I Year ( 1<sup>st</sup> Semester)**

### **Paper : Business Economics - I**

#### **Course Outcomes:**

- a. Students can explain the business Economic principles.
- b. Students can to apply the business Economic principles it in business.

#### **Specific Outcomes:**

- a. Students can define the Meaning, characteristics, significance and scope of business economics, objective of a business firm, Concept of Macro and Micro economics.
- b. Students can define Concept, Measurement and determinants of elasticity of demand. Price elasticity, income elasticity and cross elasticity. Importance of elasticity of demand.
- c. Students can define Concept of production function, Law of variable proportions, laws of returns to scale, internal and external economies and diseconomies of scale, Iso-cost & Iso-quant curve, least cost input.
- d. Students understand Different cost concepts such as opportunity cost, real cost, money cost, explicit and implicit cost, short run cost curves, fixed cost, variable cost and total cost, Average Fixed cost, Average variable cost, Average Total cost, and Marginal cost, long run cost curves etc.

## **B.Com. I Year (1<sup>st</sup> Semester)**

### **Paper: Fundamental of Statistics & Maths - I**

#### **Course Outcomes:**

Students acquired the fundamental basic knowledge of statistics techniques as applicable to business.

#### **Specific Outcomes:**

- a. Students can define the Meaning of Statistics, Scope of Statistics in industry, economics and management.

- b.** Students can define the Meaning of Primary, secondary data, Qualitative and quantitative data, discrete and continuous, variables, frequency and frequency distribution.
- c.** Students are clear in Meaning & Concepts of central tendency.
- d.** Students acquired Arithmetic Means: Definition, Properties of Arithmetic Means, and Combined Mean.
- e.** Students are able to understand the Positional Averages: Median & Mode Partition Values, Empirical relations between Mean, Median & Mode, Merits & Demerits of Mean, Median & Mode, Numerical Problems etc.
- f.** Students are clear in Meaning & concepts of Dispersion. as Range its Meaning, definition, coefficient of Range.
- g.** Students are able to understand Quartiles Deviation, Meaning, definition, coefficient of Quartile Deviation, Mean Deviation - Meaning, definition of Mean Deviation (about mean, median), Co-efficient of Mean Deviation, Standard Deviation and Variance - Meaning, Definition, Coefficient of Standard Deviation Combined Standard Deviation for two groups. students are able to calculate Coefficient of Variance (C. V.) - Meaning & definition. Merits & Demerits of QD, MD & SD.
- h.** Students acquired to solve Numerical Examples.
- i.** Students are clear about Meaning, Concepts, definition & types of correlation. Computation of  $r$  for ungrouped data, Computation of Co-relation. and solving Numerical Problems.
- j.** Students can define Meaning & Concepts of Regression - Lines of Regression. Relation between correlation coefficient & regression coefficient. and solve Numerical Problems.

**B.Com. I Year (I Semester)****Computer for Business & Tally I****Course Outcome:**

Students acquired the computer techniques applied in solving business problems.

**Specific Outcomes:**

1. Students are able to understand Meaning, Definition, Importance, features & functions of Computer; Components of Computer; Types of Computer; Hardware and Software, Input & Output Devices, Role of Computers in Business etc.
2. Students are clear in Introduction, Meaning & Types of Computer Memory Primary and Secondary Memories;
3. Students are able to define Types of Storage Devices: Auxiliary storage, Tapes, Floppy disks, Hard Disks, Compact Disk, Pen device (USB).
4. Students understand Computer Languages: Introduction, Meaning, Types of Computer Languages, Advantages & Limitations. Types of Number System - Decimal, Binary, Octal, and Hexadecimal (Simple numerical problems of conversion of number from one number system to another are to be covered)
5. Students are clear in understanding of Business Applications: Operating System Window, Word processing - MS-Word, MS-Excel, work with MS-Word & MS-Excel, formatting document, Text designing, Column. Tables & Graphs.
6. Students acquired concept of Computer Networking (Internet)Introduction, Importance of Internet, Internet & WWW, Internet & Email, Internet & E-Commerce, Social networking, Advantages & Disadvantages of Social Networking for Business.

## **B.Com. I Year (I Semester)**

### **Entrepreneurship - I Course**

#### **outcome-**

Students acquired Entrepreneurial ability and skill.

#### **Specific Outcomes:**

- a. Students are clear in Definitions, characteristics, functions, types of Entrepreneurs, traits for Entrepreneur, Entrepreneur v/s manager, Entrepreneur and economic development.
- b. Students acquired Meaning, Definitions, characteristics, nature of Entrepreneurship, classification, importance and benefits, factors stimulating Entrepreneurship, Entrepreneur v/s Entrepreneurship, environment for Entrepreneurship, obstacles inhibiting Entrepreneurship.
- c. Students are clear in Historical background of Entrepreneurship development, Entrepreneurship development program [EDP] objectives, process of EDP, phases of EDP, Institute for Entrepreneurship development, Maharashtra centre for Entrepreneurship development [ MCED]
- d. Students are able to understand Concept of women Entrepreneur, factors influencing women, Entrepreneurs, types of women Entrepreneurs, women Entrepreneurs in India, support and assistance, problems, remedial measures.

## **B.Com. I Year (I Semester)**

### **Salesmanship –I**

#### **Course outcome-**

Students are able to Qualities and Functions of Salesmanship in a Changing Global Scenario

- a. Students are able to define Meaning, Definition and Importance of Salesmanship, Types of Salesman, Qualities of Good Salesman. Meaning, Nature and Importance of Personal Selling, Personal Selling V/s Salesmanship, objectives of Personal Selling, Process of Personal Selling, Program, course and specific outcomes. B. Com.

### Types of Personal Selling.

- b. Students acquire Nature of Consumer Behaviour, Types of Customers, Buying Motives, Consumers Buying Process, Customer Relationship Management (CRM).
- c. Students are able to understand principles of Sale Presentation, Sales Presentation Skills, Theories of Selling-"A1DAS" Theory of Selling, "Right Set of Circumstances", Theory of Selling, "Buying Formula" Theory of Selling. "Behavioral Equation" Theory of Selling.

### B.Com. I Year (I Semester)

#### Office Management - I

#### **Course outcome :-**

- 1) Students are clear about concept and Importance of office management, office accommodation and layout.
- 2) Students acquire aware about office environment and record administration
- 3) students got Information about office communication, office supervision and personal management
- 4) Students acquired about office report and law to minimize cost in office

#### Management

- a. Students are clear about Definition, functions of OM
- b. Students acquired Office lighting, ventilation. Interior decoration. Security, Purpose of record administration. Principles of record administration, Filing System.
- c. Students got knowledge about Process of office communication. Importance, Barriers, Types of office communication.
- d. Students are clear about functions, Recruitment of personnel. Job description. Sources of recruitment. Job evaluation, Training of employees. Employee welfare. Office supervision. Features, Effective supervision.

Program, course and specific outcomes. B. Com.

Supervisor and Ms responsibilities.

- e. Students acquired office report, Types, Qualities of a report, Guiding principles. Forms of report, Presentation of report. Meaning of cost reduction. Types of wasteful expenditure. Technique of cost reduction, Budgetary control, Cost contra.

B.Com. I Year (II Semester)

### **Compulsory English- First Year**

#### **Semester II**

1. The teachers in the department encouraged the students to understand and appreciate short lyrical poems.
2. Motivated them to understand and enjoy the inherent rhythmic beauty of lyrical poetry.
3. Introduced the students to famous world poets such as Shakespeare, Blake and Tagore.
4. We, the teachers in the department, taught various grammar items and general language skills. The students were taught the difference between verbal and non-verbal communication.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solapur

## **B) SL 1)HINDI(SL)**

9. Develop competency in Literary Forms(Hindi Poetry & Fiction).
10. Develop Reading ,Writing, & Communication Skill in Hindi.
11. Get information about the History of Ancient, Medieval and modern Hindi Literature.
12. Learn the Literary works on the basis of foundation laid by the scholars.
13. Get Information about the Literary Theory.
14. Develop Approach of Hindi Linguistics & Grammar.
15. Get the jobs for their livelihood.
16. Be Motivated for their further education.

1. Students are able to understand the importance of bath, types of bath,
2. Students learnt the importance of purism, types of purism, how to keep all type of purism.
3. students are clear about the importance of water, they know types of water, water is priceless and they are trying to save water.
4. Students are able to understand importance of food.

### **Vaidyakiya subhashite (ÉàÉèÒÀÉ ºÉÖ;ÉÉÉ'ÉiÉä)**

#### **Aims :**

5. Students understood the importance of air, pranayam, the types of pranayam, how precious pranayam is.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

## **II SEM**

- 1. Students understand language different of prose and poetry between medieval and modern. Students learned values of character to learned and mutual understanding through prose study.**
- 2. Students introduced medieval and modern Eris type of poetry and its different aspects.**
- 3. Students introduced with letter writing skill and introduced with official letter writing.**
- 4. Students can conduct a program as well as Anchoring.**

6.

## **Financial Accounting II**

### **Course Outcome :**

Student acquired skills in accounting for various kinds of business transactions.

### **Specific Outcomes:**

- a. Students are clear in Meaning & features of consignment, difference between consignment & sale, types of commission, (Performa), Invoice,

Program, course and specific outcomes. B. Com.



invoice price and loading, account sales, valuation of unsold stock, Journal entries and problems.

- b. Students acquired Meaning & features, legal provisions of Hire Purchase Act, Journal entries in the books of Vendee and Vendor, preparation of various accounts in the ledger in the books of hire purchaser and seller and problems.
- c. Students are able to understand Meaning & types of co-operative societies, legal provisions of Maharashtra Co-op Society Act 1960, Consumer's Society & Credit Society, day-to-day accounts, statements of receipts and payments, profit & loss accounts, balance sheet and problems.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solapur

- d. Students acquired Meaning and types, calculation of claims under loss of stock policy and loss of profit policy only, Application of Average Clauses and problems.

B.Com. I Year (II Semester)

Business Communication – II

**Course outcome:-**

- i) Communication Skills of Students were developed.
- ii) Personality of students developed
- iii) There is improvement in speaking, learning, and interview skills of students.

**Specific Outcomes:**

- a. Students are able to understand Contents of application for the employment points to be considered while drafting an application, types of application, The write resume, Application on prescribed format, Application format, personal record, sheet.
- b. Students are clear in Principles of effective oral communication speech preparation, Guidelines of effective speech, The art of presentation, the essential features of an interview. Distinction between written and oral communication.
- c. Students acquired Nature of Language, Words of Meaning, Language Convention, Grammatical Correction, common errors in business writing, sentence & paragraph, Effective Business writing.
- d. Students got knowledge to use Tele conferencing, E-mailing, Faxes, Tele communication, Mobile Phone Conversation, Video conferencing.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com. I Year (II Semester)

Business Economics - II

**Course outcome:-**

students acquired with the market structures and theory of distribution are as applicable in business.

**Specific Outcomes:**

- a. Students are clear in Definition, characteristics of perfect competition, pure v/s perfect competition, equilibrium of firm industry, price and output determination.
- b. Students got knowledge about Meaning, definition, characteristics of monopoly, price discrimination, favorable, circumstances to price discrimination. Meaning and characteristics of monopolistic competition, product differentiation, price and output determination under monopolistic Competition equilibrium of firm.
- c. Students are clear about concept of Rent, Ricardian Theory and Modern Theory of rent, quasi rent, difference between rent and quasi rent. Concept of wages, marginal productivity theory and modern theory of wages. Interest; Interest concept, loanable funds theory and liquidity preference theory of interest. Profit: Nature and concept, Gross profit and Net profit, uncertainty bearing theory and innovation theory of profit.

B.Com. I Year (II Semester)

Fundamental of Statistics & Maths - II

**Course Outcome:-**

Students got ideas about foundation of quantitative techniques applied in solving business problems.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

**Specific Outcomes:**

**Students are clear in Definition of a Determinant, Determinant of a square, Matrix, Determinants of order two and three, definition of matrix, Types of Matrices, Addition & Subtraction of Matrices, Multiplication of Matrices, and Numerical Problems.**

- a. Students are able to understand Permutation of different things, Permutation of things not all different, restricted combination of things not all different.
- b. Students are clear in Introduction, trial, sample space, events, classical definition of Probability, Addition and Multiplication laws of Probability (without proof), simple problems on addition and multiplication of probability.
- c. Students are able to solve Numerical Problems.
- d. Students are clear in Need & meaning of Index Numbers, Problems involved, in Instruction of index numbers, Price & Quality index numbers (Unweighted), Laspeyre's, Paasche's and Fisher's Index Numbers, Numerical Examples.

B.Com. I Year (II Semester)

Computer for Business & Tally II

**Course outcome :-**

Students are able to use computer for business

**Specific Outcomes:**

- a. students are able to understand Basic Accounting, Business organization, Accounting on computer, Tally Fundamental, Features of Tally, Processing transaction in Tally, Generating and printing of accounting report, Tally vouchers and types of vouchers
- b. students have knowledge about Introduction to Trading Accounting, Purchases and sales, Getting Functional with Tally, Display and Report, Tally Audit

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com. I Year (II Semester)

Entrepreneurship - II

**Course outcome:-**

Students are aware and got entrepreneurship ability and skills.

**Specific Outcomes:**

- a. Students are clear in Risk bearing theory of knight, Innovation theory of Schumpeter, Regional climate theory, Entrepreneurial motivation theory institutional support to entrepreneurs.
- b. Students acquired Introduction Evolution of the concept of small scale industry, nature, importance, characteristics and objectives of SSI, policy support for SSI problems of SSI, remedial measures.
- c. Students are able to understand Meaning and Definition, Project classification, project life cycle, Project identification, information sources, and Information centers in India.
- d. Students are clear in Meaning, Components of project report, Contents, importance, Reasons for failure of project report, Model project report

B.Com. I Year (II Semester)

Salesmanship - II

**Course outcome :-**

Students acquired Qualities and Functions of Salesmanship in a Changing Global Scenario

**Specific Outcomes:**

**Students are clear in Meaning of Sales Promotion, Methods of Sales Promotion –Personal Selling., Advertising, promotional Mix and Publicity**

- a. Students are able to understand Setting up a Sales Organisation, Basic Types of sales Organisation Structure, Centralization V/s Decentralization in Sales Force Organisation.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- b. Students acquired knowledge of Sales Forecasting - Meaning und Scope, Methods of Forecasting, Budgeting -Sales Budge - as a Tool and Technique
- c. Students are clear in Meaning, Definition of Safes Management and Basic Elements / Functions of Sales Management - Planning, orgnising, Coordinating, Controlling and Motivating.
- d. Students got fair idea about Recruitment, Selection, Training, Motivation. Compensation and Performance Appraisal of Sales Personnel.

B.Com. I Year (II Semester)

Office Management – II

**Course outcome :-**

1. Students are clear about Group Insurance
2. Students are familiar about Online Office Activities
3. The Knowledge of Office Records & Filling Systems among the Students was increased.
4. The knowledge about Statistical Practices among the Students increased.

**Specific Outcomes:**

- a. Students are clear about concept of Group Life Insurance, Group Annuities, Franchise Life Insurance, Group Insurance In India, ESI Act [Employees' State Insurance Act]
- b. Students are able to understand Office System, Electronic Data Processing, Word Processing, Letters, Memos And Reports, Mail & Information Distribution, Recruitment Processing. Office Records- Principles Of Records Keeping, Kinds Of Records, Filling- Definition Of Filling, Essentials Of An Ideal Filling System, New Methods Of Filling.
- c. Students acquired Need For Statistical Data In The Office, Sources Of Data, Limitation Of Data, Methods Of Collecting Data, Tabulation Of Data, Presentation Of Data.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com Second Year Syllabus (w.e.f.2017-18)

Semester III (CBCS Patterns)

New Trends in Corporate Accounting(CC XI)

**Course Outcome:-**

Students are able to understand knowledge of new trends in corporate accounting issue of share and redemption share

**Specific Outcomes:**

- a. Students are clear in Recent Concepts in Corporate Accounting, Introduction to corporate Account , online Banking, E-transaction, D-Mat Account, Debit Card, Credit Card, Swipe Machine, ATM
- b. Students are clear in Issues of Shares, Meaning and procedure of issue, Forfeiture and reissue of Equity Shares, Practical Problems on Accounting Entries of Issue, Pro-rata allotment of Shares.
- c. Students are clear in Redemption of Preference Shares Meaning and Procedure of redemption of preference shares, Types of preference shares, Redemption out of Fresh issue of Equity Shares, Redemption out of revenue Profit of Company, Practical Problems on accounting entries of redemption of preference shares and balance sheet after redemptions of preference shares. Students are able to understand Company Final Accounts Preparation of profit and loss account, profit and loss appropriation, account and balance sheet in prescribed forms, Profit Prior to in Corporation.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

Corporate Law (CC XII)

**Course outcome :-**

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

Students acquired knowledge and developed understanding of the necessary framework of companies with reference to various provisions or company act-2013

**Specific Outcomes:**

- a. Students are clear in Introduction Historical Developments of Concepts of Corporate Law in India; Company Definition, meaning, nature and its Characteristics; Types of Companies: Private Company, Public Company, Foreign Company, Government Company, One Man Company.
- b. Students are able to understand Promoters: Meaning, Position, Duties, Rights, Responsibilities and Liabilities, Memorandum of Association and its Alteration, Articles of Association its Alteration, Prospectus – Definition, Abridged Prospectus, Misrepresentations and Penalties.
- c. Students are able to understand Equity Shares with Differential Rights, Issue of Shares at Par, Premium and Discount, Forfeiture and Surrender of Shares, Bonus Issues, Right Issues, Issues of Sweat Equity Shares, Employees Stock Option Scheme.
- d. Students acquired Debenture, Stock, Bonds, Recent Trends and Dynamics of Corporate Debts Financing, Debenture Trust Deed and Trustees, Conversion and Redemption of Debenture.
- e. Students are able to understand Modes of Acquiring Membership, Rights and Privileges of Members , Register of Members, Dematerialization and Rematerialization of Securities, Transfer and Transmission of Securities in Physical and Dematerialized Forms, Nomination

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

**Compulsory English- Second Year**

**Semester III**

1. We, the teachers in the department, introduced the students with short stories, essays on a variety of important topics.
2. Encouraged them to understand and appreciate prose writings of well known writers.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu



3. We helped our students to learn grammar items such as idioms, phrases, and reported speech.
4. We tried to equip them with grammatical knowledge to enable them to write grammatically correct sentences.
5. We took special care to enable them to prepare them for competitive examinations.

## **B) SL 1)HINDI(SL)**

17. Develop competency in Literary Forms(Hindi Poetry & Fiction).
18. Develop Reading ,Writing, & Communication Skill in Hindi.
19. Get information about the History of Ancient, Medieval and modern Hindi Literature.
20. Learn the Literary works on the basis of foundation laid by the scholars.
21. Get Information about the Literary Theory.
22. Develop Approach of Hindi Linguistics & Grammar.
23. Get the jobs for their livelihood.
24. Be Motivated for their further education.

## **2)MARATHI(SL)**

BCom SY III SEM

- 7. Students can understand types of literature prose and poetry**
8. Students have introduced Medium and Modern prose literature.
- 9. Students have partly introduced of Medieval and modern Marathipoetry literature.**
10. Students have gained how to use language to develop the personality.
- 11. Students acknowledgement/learned today English words alternative Marathi words.**

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solapur

**12.** Students introduced values like 'Truth', 'Freedom' and eagerness knowledge through Marathi stories and poems as well as Anchoring.

**1. Hitopdesha and Sanskrit sahyacha sopapattik itihās** (1. ½piĒĒä{ĒnāùġĒ / 2.

°ĒĀ°EPḍiĒ °ĒĒĒ'½piĀĒĒĒĒĒ °ĒĒä{Ē{ĒĒkĒĒḍ <ĒiĒ'½pĒ°Ē)

**Aims :**

1. Students got knowledge through stories.
2. Students identified the good and bad people. Students learnt that not to have averse as averse will cause great damage in their social life.
3. Students aware about the importance of knowledge.
4. Students are able to lead to an ideal citizen.

**2. Sanskrit sahyacha Sopapattik Itihās** (°ĒĀ°EPḍiĒ °ĒĒĒ'½piĀĒĒĒĒĒ °ĒĒä{Ē{ĒĒkĒĒḍ <ĒiĒ'½pĒ°Ē)

**Aims :**

1. Students have knowledge of the history of Sanskrit language.
2. Students know about types of stories.
3. Students are able to start writing various stories.
4. Students got practical knowledge through these stories.

**Principles of Business Management and practice (CC X III)**

**Course outcome:-**

Students are able to make planning, decision making, controlling, staffing, organizing etc. to understand new approaches in management

**Specific Outcomes:**

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- a. Students are clear in Introduction of Management, Historical development of management (19th to 20th century), Definition of management, Scope of management, Role of management, Management Thinkers, F.W. Taylor and his scientific thought of management, Henry Fayol and his principles of management, Macgregor and his theory.
- b. Students are able to understand Managerial Planning and Decision making, The Concept of Planning, Nature, Importance of Planning, Benefits and

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

effective Planning process, Types of Planning, Decision making, definition and concept.

- c. Students are clear in Staffing and organizing, Nature, Definition, Personnel management, Selection Procedure, Steps of Selection Process, Training and Performance Appraisal, Definition, Importance, Principles of Organization, Types of Organization, Centralization and its Advantages & Disadvantages, Decentralization and its Advantages & Disadvantages.
- d. Students acquired New trends in management, TQM, Quality circles, Public Private Enterprise Partnership, Six sigma and Bench marking, kaizens, Managerial Skills, Need and Importance, Classification of Skills, Process of Management Development, Steps of Management, Development Process, Management Developments Techniques & Methods, Objectives of Management Development, Programs, Planning of Development Program, Effectiveness of Development Program.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

Cost Accounting – I (Core subject IV)

**Course Outcome:-**

Students acquired knowledge of cost accounting, single output costing, material cost, labour cost and overhead.

**Specific Outcomes:**

- a. Students are able to define Introduction to Cost Accounting Meaning, Definition, Nature and Scope, Objectives, Concept of Cost, Elements of Cost & Classification, Methods & Techniques of Costing. Students are able to define Single Output Costing, Meaning of Cost, Treatment of Stock of Raw Material, WIP, Finished Goods and Numerical Problems on Cost Sheet and Tender.
- b. Students acquired knowledge of Material Cost, Material Control, Purchase Procedure, Methods of Pricing, Material Issues- FIFO, LIFO, Simple & Weighted Average, Inventory Management- Fixation of Stock Levels- Minimum Level, Maximum Level, Reorder Level, Economic Order

Program, course and specific outcomes. B. Com.

- Quantity, ABC Analysis and solving Numerical Problems on Above.
- c. Students are clear about Labour Cost Meaning, Labour Cost Control, Time Keeping & Time Booking, Idle Time & Labour Turnover, Methods of Wage Payments; time Rate, System, Incentive Plans of Halsey & Rowan, Taylor's Differential Piece Rate System.
  - d. Students are able to define Overheads, Meaning, Nature, Collection and Classification of Overheads, Numerical Problems on Machine Hour Rate

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

Banking and Finance(CC XV)

**Course outcome:-**

Students got knowledge about the Indian Banking system, Banking regulation act 1949, Commercial Bank, Development Bank and Digital Bank.

**Specific Outcomes:**

- a. Students are able to understand Indian Banking System, Introduction, Meaning and Definition, Evolution of Banking System, Structure of Banking System. Commercial Banking System in India: Introduction, Definitions and Functions. Practical: Accounting Opening in Bank, Filling of Various Forms/Slips, Negotiable Instruments, Account Closure Procedure Students are clear in Banking Regulation Act, 1949, Introduction, Need of Banking Regulation Act, History of Banking Regulation Acts, Important Provisions, Social Control on Banking. Practical: Financial Statement of Banks, Visit to Banks
- b. Students are able to understand Nationalization of Commercial Banks Introduction, Objectives of Nationalization of Banks, Nationalization of Commercial Banks, Narsingham Committee Recommendations (I & II) Practical: Narsingham Committee Report
- c. Students are clear in Developments of Banks in India, Introduction, Objectives, Functions, Structure. NABARD, IDBI, ICICI, SFC, IFCI. Practical: Visit to Development Bank in Area.
- d. Students are able to define Digital Banking, Introduction, Importance of

Program, course and specific outcomes. B. Com.

Technology in Banking, ATM, Debit Cards, Credit Card, Mobile Banking, Net Banking, EWallets, UPI, NEFT/RTGS, Green Banking, USSD. Practical: Filling of NEFT/RTGS Forms, Understanding ATM Transactions, Using Debit Cards & Credit Cards for online Transactions.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

Income tax –I (CC XVI)

**Course outcome:**

Students acquired knowledge of direct and indirect tax

**Specific Outcomes:**

- a. Students are clear in Introduction, History of Income tax Act 1961, Basic concepts, Agriculture income, Person, Previous Year, Assessment Year, Assesses, Income, Gross Total Income, total Income, Income from Salary. Students are able to define Income from house property, Income from capital Gain, and Income tax Rule for Problems Previous Year.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Skill Enhancement Course

Semester III (CBCS Patterns)

Business Ethics (SEC A- I)

**Course outcome:-**

- students are able to understand ethic and responsibility of Business
- students capacity to think, act and lead ethically enhanced.
- students are able to having an ethical perspective means that they have capacity to maintain ethical attitude and behavior in their personal and professional Pre requisites

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- The present discipline is part of cycle of social and economic discipline
- Studying of the discipline is based on the following discipline i.e. Philosophy, Sociology, Psychology, History and Cultural Science
- Student are able to demonstrate the following knowledge and components ability to speak English and to Write English

**Specific Outcomes:**

- a. Students are clear in Introduction to Business Ethics, Meaning of Ethics and Business Ethics, Objectives of Ethics, Nature of Ethics, Sources of Ethics, Importance of Ethics, Factors, Influencing Business Ethics, Types of Ethics
- b. Students acquired Ethical Aspects in Marketing, Introduction to Marketing, Direct Marketing, Marketing Ethics and Consumer Rights, Marketing Mix, Criticism of Ethics in Marketing Students are able to define Ethics in Finance, Introduction, Accountability and Acquisition, Success, Fair value, Finance and Ethics Financial Markets, Ethics in Social Responsibility and Corporate Social Responsibility, Introduction, Material Ethics, Challenging Expectation of Social Responsibilities, Concept of Corporate Social Responsibility, Nature of Corporation & Its Object

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

E- Business Marketing (SEC A - III)

**Course outcome:-**

- students are aware about e-business marketing.
- students are able to understand the E-market context, E-business mode, performance metric & role of strategic planning.
- students are able to use marketing function of product, pricing distribution and marketing communication for firm, E-marketing strategy.

**Specific Outcomes:**

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- a. Students are able to understand E-Business marketing, Brief History of E-Business and Internet, E-Commerce to E-Business & Spotting E-Business Trends, Building E-Business, Horizontal & Vertical Market Places, Merits and Demerits E-Market Places, Structure, Online Market & Distribution, ECRM, Merits and Demerits, Future Trends
- b. Students are clear in E-Business Application, E-Procurement & E-Payment System, E-Commerce Software & Payment Structure, Advantages, Methods & Techniques, E-Marketing, E-Market Environment
- c. Students can define Business Process Model, Customer Centric Business, Pre-Order, Point of Order & Post-Order, Customer Support, E-Business Environment, Information Society, Multi-Optional Society, Ethics in Electronic Business, Privacy Students are clear in Digitizing the Business & E-Business, Design, E-Channel Pattern, E-Portal Pattern, E-Market, Market Pattern, Self Diagnosis

(w.e.f. 2017-2018) Semester III (CBCS Patterns)

Business Environment (SEC A- III)

**Course outcome:-**

Students got clear idea about business environment

**Specific Outcomes:**

- a. Students are clear in Nature and Scope of Business Environment, What is Business, Scope of Business, Characteristics of Today's Business, Business Goals, Nature of Environment, Benefits & Limitation of Study of Environment.
- b. Students are able to define Business Environment International

Program, course and specific outcomes. B. Com.



Environment, External Environment, Micro Environment, Environmental Change, Techniques for Environmental Analysis, Economic Environment, Nature of Economic Environment, Economic Factors, Basic Economic Systems, Economic Planning

- c. Students are able to define Business and Society, Ecology & Business, Ecology & Economic Development, Nature of Physical Environment, Impact of Business, Integrating Environment & Strategic Management, Integrating Environmental Segments, What is Strategic Management, Benefits and Requisites of Effective Strategy, Strategic Management Process.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester III (CBCS Patterns)

E-Commerce (SEC A-IV)

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solapur

**Course outcome:-**

- Students are aware about e-commerce.
- Students are able to know the role of E-commerce in world business scenario
- Students acquired the skills to use modern technologies for the business in global world
- Students acquired skills for cyber securities and secure payment gateway for cashless economy.

**Specific Outcomes:**

- a. Students are able to understand Meaning, Nature, Concept, Advantages, Disadvantages and reason for transacting , online types of e- commerce, Ecommerce models( introduction, Key, element of a business model and categorizing major e-commerce business, models ) forces behind of e-commences.
- b. Students are clear in Security and encryption Ned and concepts, The e-commerce security environment ( dimension, Definition and scope of e-commerce security) Security threats in E- commerce environment (security, intrusion and breaches attacking methods like hacking, sniffing, cyber – vandalism etc) Technology solution ( encryption security channels of communication , protecting networks and protecting serves and clients)
- c. Students are able to understand E –Payment System, Models and methods of e-payment (Debit and credit card, E-wallet, Payatm, VPI, online cash transfer, E-Money) Digital signatures (Procedure, Working and legal position) Payment gateways online banking (meaning concept, Importance, electronic fund transferred NEFT, RTGS Automated clearing house, Automated ledger posing) risks involved in E-Payment.
- d. Students are clear in On line Business Transactions, Meaning, Purpose, Advantages and disadvantages of transacting online E- Commerce application in various industries, like (Banking, Insurance, payment of

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

utility, Bills , Online marketing, e-tailing (Popularity, Benefit, and features) ,Online services ( financial, Travel and career) , Auction , Online Portal, Online Learning, Publishing and entertainment, Online shopping ( Amazon, Snap deal, Alibaba, Flip cart Etc)

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

### **Compulsory English- First Year**

#### **Semester IV**

1. We encouraged our students to understand the brief history of poetry and its peculiarities.
2. Encouraged our students to understand and appreciate short lyrical poems.
3. We made an attempt to acquaint them with world famous poets such as Wordsworth, Blake, Keats, Byron, Browning and Tagore.
4. We developed in the students communicative competence by encouraging them to learn to read and write and listen good English.
5. The teachers also tried to make the students understand as to what is non-verbal communication and its importance.

#### **B) SL 1)HINDI(SL)**

1. Develop competency in Literary Forms(Hindi Poetry & Fiction).
2. Develop Reading ,Writing, & Communication Skill in Hindi.
3. Get information about the History of Ancient, Medieval and modern Hindi Literature.
4. Learn the Literary works on the basis of foundation laid by the scholars.
5. Get Information about the Literary Theory.
6. Develop Approach of Hindi Linguistics & Grammar.
7. Get the jobs for their livelihood.
8. Be Motivated for their further education.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

## MARATHIIV SEM

- 1. Students understand language different of prose and poetrybetween medieval and modern.**
2. Students learned values of character to learned and mutual understanding through prose study.
- 3. Students introduced medieval and modern Eris type of poetryand its different aspects.**
4. Students introduced with letter writing skill and introduced with official letter writing.  
Students can conduct a program

## SANSKRIT

### 1. Karnbharam / 2. Vimansthan adhyaya (Charaksanhita)

(1. EòhÉÇ!ÉÉ®ú´ÉÂ 2. Ê´É´ÉÉxÉ°lÉÉxÉ +vAÉÉAÉ)

#### Aims :

1. Students know about types of dramas, the importance of character "Karna" in Mahabharat.
2. Students obey the elders. they accept the habit of donating and they stand upon their own promise.

### 2. Vimansthan adhyaya charaksanhita (Ê´É´ÉÉxÉ°lÉÉxÉ +vAÉÉAÉ)

#### Aims :

1. students know the importance of Charaksanhita, Aayurved shastra. Students are capable to identify good books as well as judge the idealteacher.
2. student tried to become a good student.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

## Advanced Corporate Accounting (CC-XVII)

### **Course outcome:-**

the students are able to practically sound in maintaining accounting of corporate world

### **Specific Outcomes:**

- a. Students are clear in Redemption of Debenture, Meaning, types of debenture, Redemption of debenture. Problem on sinking fund Method only
- b. Students are able to Amalgamation of companies Meaning and causes of amalgamation of companies, methods of purchase consideration opening and closing entries in the books of companies and preparation of balance sheet.
- c. Students acquired knowledge about Reconstruction of a company, Meaning and need of reconstruction of company, types of reconstruction. Accounting entries related to internal reconstruction only preparation of revised balance sheet. Holding Company Account, Meaning of holding company and subsidiary company, holding company accounts with its only one subsidiary company, consolidated balance sheet, pre acquisition and post acquisition of profit intercompany debt and bills and debenture, cost of control, minority interest, and practical problem on consolidated balance sheet.
- d. Students are clear in Liquidation of a company Meaning and cause of liquidation of a company, process of liquidation of a company, Role of company liquidation, accounting treatment of voluntary liquidation of a company

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

Business Law (CC-XVIII)

**Course outcome:-**

Students acquired knowledge about law related to business

**Specific Outcomes:**

- a. Students are clear in Indian Contract Act- 1872, Introduction, Definitions, Essentials of valid contract, Types of contract, E contract, Agreement and Contract, Discharge of contract, Remedies for breach of contract, E agreement
- b. Students acquired knowledge about The Negotiable Instruments Act 1881 Introduction, Definitions and Characteristics, Promissory Notes, Bills Of Exchange, Cheque, Holder and Holder in due course, Presentation of negotiable instrument. The Sale of Goods Act 1930, Introduction, Importance Definitions, Formalities of Contract of sales, difference between sales and agreement to sale and higher purchase, Conditions and warranties, Un paid seller.
- c. Students are able to understand Consumer Protection Act 1986, Introduction, Definition, consumer defects, deficiency and unfair trade practices, manufacture, Consumer council.
- d. Students are clear in Online shopping and legal provisions, Introduction, Debit card and credit card purchase protection, consumer right regarding online shopping, selling regulation, five ways to shop online

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)Risk Management (CC XIX) Course outcome:-

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- 1) Students are clear about possible risk events, preventions of risks, measurements of risk, management of risk
- 2) students are able to understand risk management and developed the ability to understand techniques of risk management.

**Specific Outcomes:**

- a. Students are able to understand Concept, Nature, Need and scope of risk, Sources, measurement, identification and evaluation of Risk. Types of risk: Product market risk and capital market risk, Business risk interest rate risk, Systemic risk, Unsystematic risk, Possible risk Events, risk Indicators.
- b. Students are clear about Risk Management Concept, Risk management Process, pre-requisites and fundamentals, Misconceptions of Risk, An Integrated approach to Corporate risk Management. Risk management approaches and methods. Risk reporting process.
- c. Students are able to understand Instruments and Techniques of Risk Management Hedging Techniques: Internal and External Techniques- Netting, Matching, Leading and Lagging, Price Variation, Short term Borrowing, Pricing in foreign currency, Asset Liability Management. External Techniques: Forwards, Futures, Swaps, Options, Forward Rate Agreement, Caps, Collars, Floors and their applications - Pricing, techniques, operational aspects.
- d. Students are able to understand Portfolio Analysis, Traditional Vs Modern Rationale diversification- Markowitz Theory, Effect of Combining Two Securities Measurement of Expected Return of Portfolio – Portfolio Risk .
- e. Students are able to understand Insurance as an instrument of Risk Cover Marine, Life, Accident, Process, Loss of Profit Export Credit Guarantee Corporation

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

Advanced Planning in India (CC XX)

Course outcome:-

Students are able to understand economic planning in India

**Specific Outcomes:**

- a. Students are able to understand Important features of Indian plans, Evolution of planning, objectives of Economic Planning in India, Role of planning in a market economy, Mixed economy and Economic planning, Accomplishments of Economic planning, PURA an appraisal of the planning process.
- b. Students are clear in Agricultural Development, Introduction, Importance of Agriculture in National Economy, Need and Scope for land Reforms in a developing economy, Sources of Agricultural Finance, Model APMC Act, Agricultural subsidies, Investment in Agriculture, National Agriculture Policy. Vision 2020
- c. Students are able to understand Infrastructure Development Introduction, Meaning and definition, Infrastructure and Economic Development, Transport System Role in India's Economic Development, Rail-Road Transport, Power or Electricity, Issues and policies in financing infrastructure development, Regional imbalance.
- d. Students are able to understand Foreign Trade, Meaning and definition of Foreign Trade, Structure and direction of Foreign Trade, Foreign Capital, Issues in Export-Import Policy, New Export-Import Policy (2015-20)- It's Features and Objectives, The progress of Trade Reforms in India, FPI (Foreign Portfolio Investment)
- e. Students are clear about NITI Aayog, Introduction, Establishment of NITI Aayog, Objectives of NITI Aayog, Features of NITI Aayog, Role and Functions of NITI Aayog, difference between NITI Aayog and Planning Commission, Achievements of NITI Aayog .

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu



B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

Advanced Cost Accounting (CC XXI)

Course outcome:-

Students have knowledge of cost, process, contract and operation

**Specific Outcomes:**

- a. Students are able to understand Cost Accounting Records of cost Audit Nature of scope of cost audit. Cost Accounting Records and cost Audit. Under company Act- Purpose, scope and Advantages of cost Account, Implementing Authorities of cost Audit, Cost Audit Techniques and Programs, Cost Audit Report, Cost Auditor – Appointment Rights and responsibilities.
- b. Students are clear in Process Costing Meaning and Features of Process Costing Treatment of Normal loss. Abnormal loss and Abnormal Gains Joint Products By – Products and Accounting Practical Problems on above.
- c. Students are able to define Contract costing Meaning and features of Contract costing contract v/s Job costing Treatment of profit and Reserve Profit, value of work-in-progress and Practical Problems on Preparation of contract Account and Balance sheet. Students are able understand Operating Costing Meaning and Features of operating costing service cost unit. Single and Compound unit. Practical Problems on Transport Industry. Reconciliation of Cost and Financial Account, Need of Reconciliation, reasons for Disagreement in Profit as per cost and Financial Accounts Methods of Reconciliation Procedure of Reconciliation Practical Problems on Preparation of Reconciliation Statement.

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

## Semester IV (CBCS Patterns)

### Income tax II (CC XXII)

Course outcome:-

Students acquired knowledge about taxable income, computation of tax

#### **Specific Outcomes:**

- a. Students are able to understand Exempted Income under Section 10, Income from Profession, Incomes from Business, Income from other source,
- b. Students are clear about Computation of total income with deduction under section 80C 80D 80DD, 80U and 80E

Skill Enhancement course

## B.Com. Second Year Syllabus (w.e.f. 2017-2018)Semester IV (CBCS Patterns)

### Retail Business Accounting (SEC B-I)

Course outcome:-

Students are aware regarding retail and accounting transaction

#### **Specific Outcomes:**

- a. Students are able to understand Billing and Accounting procedure in retail, Introduction, Billing procedure, Accounting cycle for retail business, Single VS Double entry book keeping system, Computerized Accounting, Automation of billing procedure.
- b. Students are able to Accounting documents for retailers, Bills purchase bill and sales bill, Invoice inward and outward, Delivery challan, Debit and credit note, Voucher Debit and credit, Stock register
- c. Students are clear in Banking operations retailers, Types of bank account, Opening bank account online and offline, Cash deposit and withdrawn online and offline CDM, ATM, RTGS, NEFT, IMTS, Pass book and account statement, Cheque writing, Deposit, online banking
- d. Students are able to define Inventory management, Introduction and type of inventory, Inventory management, Inventory control system
- e. Students are able to define Formal Activities as Writing cash book (traditional method), Using bar code reader for billing, Use of special key Program, course and specific outcomes. B. Com.

board for billing, Preparation of sales bill (manual ) and computerized generation of bar code, Preparation of voucher Dr voucher and Cr voucher, Preparation of Dr Note and Cr Note, Preparation of invoice, Preparation of delivery challan, Preparation of stock register, Filing of accounting documentary, Filling of bank account opening form, Cash withdrawal and depositing using automated and manual system, Filing of RTGS AND NEFT FORMS, Reading of pass book and account statement, Writing of cheque, Depositing cheque, Stock verification

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

Cyber Crimes and Laws in Business (SEC – B II)

Course outcome:-

Students are able to understand the cyber crimes and familiar with the application of cyber laws in business and general.

**Specific Outcomes:**

- a. Students are clear in Introduction to cyber crimes, Introduction of computer crime and cyber crimes distinction between cyber crime and conventional crimes, cyber forensic, kinds of cyber crimes, cyber stalking, cyber terrorism, forgery and fraud, crimes related to IPR, Computer vandalism, privacy of online data, cyber jurisdiction, copyright issues , and Domain name dispute etc
- b. Students are able to understand Definition and terminology (information technology Act, 2000) Concept of internet, internet Governance, E Contract, E forms, encryption, Data security, Access, Addressee, Adjudication officer, Affixing, Digital signatures, appropriate Government, Certifying authority, certification practice, Certification practice statement, computer, computer Network, Computer resource, Computer system, cyber appellate tribunal, Data Digital signature, Electronic form, Electronic Record, Information Intermediary, Key, Pair, Originator, Public key, Secure System, Verify,

Program, course and specific outcomes. B. Com.

Nutan mahavidyalaya, solapur

subscriber as defined in the information technology Act, 2000

- c. Students are able to understand Electronic Records Authentication of Electronic Records, Legal Recognition of Electronic Records, Legal Recognition of digital signatures, Use of electronic records And Digital signatures in government and its agencies, Retention of electronic records, Attribution, Acknowledgement and dispatch of electronic record, secure electronic records and digital signatures.
- d. Students acquired Cyber Crime in Business Introduction, Different types of cyber crime in business precautions to avoid cyber crime in business (Case Study of cyber crime)

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

E-Insurance (SEC B - III)

**Course Outcomes:**

- 1) students has some insight about e-services in insurance sector.
- 2) Students are able to understand online services regarding insurance policy.
- 3) Students acquired insurance knowledge and skills together with technology-familiarity and customer orientation.

**Specific Outcomes:**

- a. Students are clear about Meaning and Definition of Insurance; Types of Insurance Life Insurance and General Insurance, Selling and Buying of Life Insurance Policies, and General Insurance (Health Insurance Policies, Motor Policies, Property Insurance Policies, Travel Insurance Policies, Crop Insurance) Why, what ,How and dos and don'ts approach in buying

Program, course and specific outcomes. B. Com.

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- b. Students are able to understand Insurance as a Career, Insurance sales Agent, as a career, educational qualifications, how to become a insurance sales agent, insurance sales training, license certifications and registration, important qualities of insurance sales agent, duties of insurance agent, job outlook for insurance agent.
- c. Students acquires knowledge about Information Technology (IT) Application in Insurance, Introduction, objectives, meaning of information technology, insurance related applications, policy management, life insurance applications, insurance software; collection of basic Information of various software used by insurance agents.
- d. Students are able to understand Concept of E-Insurance, E-Insurance meaning, Features of e-insurance account, Benefits of e-insurance account IRCA Guidelines for e insurance policies, insurance Repository, Background, Role and Objectives of insurance Repositories, the repository Eco-system, Meaning of e-insurance account, opening of e-insurance account by insurance repository branch and approved persons, KYC documents, Opening of e-insurance account by insurer, Issuance of e-policy , policy servicing E-insurance application form, statement of account, payment options, grievances mechanism, portability of insurance repository
- e. Students are able to Filing of Forms, Filing of Standard proposal form for life insurance, Health, Motor, Property and Travel insurance, Details of proposer and or/life assured, specialized/ additional information, suitability Analysis, product proposed, filing of claim Forms.

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

B.Com. Second Year Syllabus (w.e.f. 2017-2018)

Semester IV (CBCS Patterns)

E- Governance (Course B- IV)

**Course outcome – Students are clear in the concept of e-governance models and online transaction**

**Specific Outcomes:**

- a. Students are able to understand Meaning of governance and e-governance, difference between governance and e-governance, need of e-governance, advantages and disadvantages of e-governance, scope of e-governance, Models of e-governance, Government to Citizens, Government to Employees, Government to Business, Government to Government.
- b. Students acquired knowledge about Areas of E-governance, E-governance in urban areas, E-governance in rural areas, Online Transaction Online payments various bills, Taxes, EMI'S, Paytm, Freecharge, online banking- NEFT,RTGS .

B.Com. T.Y. (Vth Semester)

Advanced Accounting & Auditing – I

**Course outcome-**

Students are able to do accounting.

**Specific Outcomes:**

- a. Students are able to understand Branch Accounting (Excluding Foreign Branch) Theory and Practical problems on: Debtors System, Stock and Debtors System, Final Account System, Underwriting of Shares and Debentures, Basic concepts, underwriting commission, preparation of Underwriters Account.
- b. Students are clear in Departmental Accounting, Introduction, Accounting Procedure, Allocation of Common Expenses, Inter Departmental Transfer, Practical Problem

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

- c. Students are able to understand Insolvency Account, Introduction, Insolvency Act, Order of Adjudication, Property not Available for distribution, fraudulent Preference, Voluntary Transfer, Insolvency, Procedure, Statement of Affairs, Deficiency Account, Insolvency of Proprietors Firm
- d. Students acquired Farm Accounting, Introduction of Farm Accounting, Features, Objectives of Farm Accounting, Profitability of Crops, Books of Farm Account, Cost and Revenue, Treatment of Specific Item, apportionment bases for common Costs, Final Account Problems

## MANAGEMENT ACCOUNTING – I

{Semester – V}

### **Course outcome –**

students are able to analysis interpret and use accounting information in managerial decision making. Students are able to have a good working knowledge of the subject. This course provides the students an understanding of the application of accounting techniques for management.

### **Specific Outcomes:**

- a. Students are able to understand MANAGEMENT ACCOUNTING, it's Meaning - Nature - Scope and Functions of Management Accounting - Role of Management Accounting in Decision Making - Management Accounting and Financial Accounting - Tools and Techniques of Management Accounting.
- b. Students are clear in FUND FLOW STATEMENT Introduction - Meaning - Importance and Limitations of Fund Flow Statement – Preparation of Statement of Changes in Working Capital and Fund Flow Statement, CASH

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu

FLOW STATEMENT, Meaning - Significance and Limitations of Cash Flow Statement-Preparation of Cash Flow Statement according to Accounting Standard 3 (AS3).

- c. Students have well knowledge about MARGINAL COSTING AND BREAK EVEN ANALYSIS, Meaning - Advantages and Disadvantages of Marginal Costing - Cost Volume Profit, Analysis - Break Even Analysis - Profit Volume Ratio - Margin of Safety and maintaining a desire level of profit. BUDGET AND BUDGETARY CONTROL Meaning - Objectives - Advantages and Limitations of Budget and Budgetary Control - Prepare a Production Budget - Sales Budget.

## ECONOMIC DEVELOPMENT AND PLANNING IN INDIA – I

B.COM III YEAR (V SEM)

### Course outcome-

### Specific Outcomes:

- a. Students are clear in ECONOMIC DEVELOPMENT OF INDIA, Meaning of underdeveloped developing & developed economies, Basic characteristics of the Indian economy as a developing economy, Major issues of development. NATIONAL INCOME OF INDIA, National income estimate in India, Trends in national income- growth and structure, limitations of national income estimation in India, CSO revised national income series.
- b. Students are able to understand UNIT -3 HUMAN DEVELOPMENT IN INDIA, Concept and measures of human development, Human development index for various states in India, National Human development Report (2001), Progress of human development in India, Direction of policy.
- c. Students acquired knowledge about OCCUPATIONAL STRUCTURE AND ECONOMIC DEVELOPMENT, Economic development and occupational distribution, GDP and employment shares in India, Changing profile of GDP

Program, course and specific outcomes. B. Com.

Nutan mahavidyalay, solu



and employment in India, GDP, Employment and productivity per worker in India.

- d. Students are clear in INFRASTRUCTURE IN INDIAN ECONOMY, Infrastructure and economic development, Power and energy, Transport system in India's economic development, Communication system in India, Urban infrastructure, Science and technology, Private investment in infrastructure – Outlook and prospects.

### Business Regulatory Framework - I

B.Com. III year-Vth Semester

Course outcome-

Students have brief idea about the framework of Indian Business Law.

#### **Specific Outcomes:**

- a. Students are able to understand The Indian Contract Act 1872, Introduction of Contract - Definitions of Contract - Essential Elements of a Valid Contract - Void Agreement - Types of Contract - Contingent Contracts - Quasi Contracts
- b. Students are clear in Performance of Contract, Discharge of Contract Remedies for Breach of Contract, Special Contracts: Contract of Indemnity - Contract of Guarantee – Bailment - Pledge – Agency, Indian Partnership Act 1932, Definitions of Partnership - Formation of Partnership - Registration of Partnership Firm - Types of Partners - Rights and Duties of Partners - Dissolutions of Partnership Firm
- c. Students are able to understand The Sale Of Goods Act, 1930, Introduction - Important Definitions - Contract of Sale - Sale and Agreement to Sell - Kinds of Goods - Some Important Comparisons: Sale & Hire Purchase, Agreement to Sell & Hire Purchase, Sale & Bailment -Conditions and Warranties - Transfer of Property in Goods - Performance of Contract of Sale - Unpaid Seller.

Taxation Group - A

B.Com. III year, Vth Sem

Income Tax Law & Practice -I

Course outcome:

Students acquired the course with sound knowledge of the important provisions of the Income Tax law and their applications.

**Specific Outcomes:**

- a. Students are clear in Assessment of Individuals as Computation of GTI and Total Income of an individual considering the Deductions u/s 80C,80D,80DD and 80E only. Assessment of Partnership Firm Computation of GTI and Total Income of partnership firm considering the deduction U/S 80 regarding partnership firm.
- b. Students are able to understand Assessment of Company Computation of GTI and Total Income of company considering the deduction U/S 80 regarding company, Assessment of Co-operative Societies, Computation of GTI and Total Income of Co-operative Societies.

Taxation Group - A

B.Com. III year, Vth Sem

M-VAT and Service Tax – I

Course outcome:

Students acquired good knowledge of the important provisions of the Maharashtra Value Added Tax Act and their application in Business and Industry.

**Specific Outcomes:**

- a. Students are clear in Introduction to VAT: What is VAT? Features of VAT, Merits of VAT, Demerits of VAT, VAT in India. Introduction to M- VAT Act: Different definitions under the act: Business, Dealer, Declared Goods, goods, Manufacturer, Person, Purchase price, Sale price, Tax Free Goods, Who is liable to pay tax under M-VAT Act, Rates of Taxes.
- b. Students are able to understand Registration Procedure under the M-VAT

Act: Who get registered? Application for Registration, Grant of Registration Certificate, Cancellation Registration. Sales Tax Authorities: Returns: Various Sales Tax Authorities; Commissioner of Sales Tax, Joint Commissioner, Senior Deputy Commissioner, Deputy Commissioner , Assistant Commissioner and Sales Tax officers.

- c. Students are clear in Returns , Penalty and Interest: Different types of Returns, Penalty and Interest for various defaults, Rates of Penalty and Interest payable by a dealer.

Management Group – B

Human Resource Management I

(Semester V)

**Course Outcomes:**

Students have sound understanding of the basic principles of Human Resource Management and their applications in the business & industry.

**Specific Outcomes:**

- a. Students are able to understand Meaning and Definition, Scope, objectives and Importance of HRM, Human Resource Planning, Human Resource Requirements; HR Forecasting; Job Design; Job Analysis; Job Description and Job Specification.
- b. Students are clear in Recruitment, Meaning and Definition, Importance and Sources of Recruitments Factors, governing Recruitments, Selection, Meaning Definition; Steps in Selection Procedure ; Testing ;Varies types of Testing ; Interview; Types of Interviews; Induction
- c. Students are able to define Human Resource Development, Concept of HRD, HRD Functions; Need and Important of Training; Different Training Techniques (Methods); Management Development, Process; Successful Planning

Management Group – B

Marketing Management -1

{Sem –V}

**Course Outcomes:**

Students are able to understand the basic principles of Human Resource Management and their applications in the business & industry.

**Specific Outcomes:**

- a. Students are able to define Marketing: Meaning and Definitions, Scope and Importance of Marketing Marketing Concepts, Functions of Marketing, Marketing Mix, Product Decisions, Concept of Product, Levels of Product, Classification of Product New Product, Development Process, Product Life Cycle Product Line and Product Mix
- b. Students are able to understand Pricing Decisions, Concept of Pricing, Importance of Pricing Decisions Factors affecting Pricing Decisions, Physical Distribution Decisions Concept of Distributions Channels Importance of Distribution Channels, Factors influencing the decisions for selection of Distribution Channels, Functions of Distributions Channels, Levels of the Distribution Channels.
- c. Students are clear in Promotion Decisions, Concept of Promotion, Components of Promotion of Mix, Advertising, Media, Characteristics of an Effective Advertisement E-Advertising Salesmanship and functions of Salesman

Group – “C”

E- COMMERCE

B.com V Semester

Paper I E-Commerce: Fundamentals and Application

**Course Outcomes:**

**Specific Outcomes:**

- a. Students are able to understand What is e-commerce, Advantages, Types and Classification of ecommerce, Building the Web site, Internet, Online transaction, Shopping Card, Software, Risk of e-commerce, email IDs, Verisign Commerce site.
- b. Students are able to define Commercial Scenarios for the Web - Opportunities and Challenges -Introduction, The World Wide Web as efficient channel, Commercial Medium, Model of Web-based Business, Consumer benefit, financial benefit, Marketing Communication, Operational Benefit. Internet Governance - Introduction, Organisation Governance Responsibilities, Internet Engineering Steering Group (IESG) Internet Society (ISOC), Internet Corporation to Assigned Names and Numbers, Internet Research Task (IRTE).
- c. Students are able to understand Growth of E-Commerce - Present and potential Data and Measurement issue for ECommerce. The infrastructure for E-Commerce, Recent and Near terms, Growth Rate Telephony, Fax, Video Conferencing and Internet. Entertainment Education Health Services, Professional Services, Publishing, Financial Services.

Paper II E-Commerce: Business to Consumers

**Specific Outcomes:**

- a. Students acquired knowledge about Current status and Prospects, User and Consumer Profiles, Price & Cost Trends conducting Business-to-Consumer E-Commerce, Rules for Establishing Businesses and effective Electronic Contract, Advertising on Internet.
- b. Students are able to define concept of E-Commerce Jobs and Skills- Introduction, the employment effects of E-Commerce, Job gains and losses in E-Commerce related Industries. E-Commerce Risk and Security- E-Commerce risk, E-Commerce Security, E-Commerce Privacy and Trust, Digital Signature and its Application in E-Commerce.

Group - D

Banking and Insurance

Semester - V

E-Banking and Accounting – I

**Specific Outcomes:**

- a. Students are able to understand Commercial Bank – Definition, Function of Bank, Principles of Bank – Safety- Liquidity- Profitability and Productibility, Role and Importance of Commercial Bank.
- b. Students are able to define concept of Reserve Bank of India, Introduction, Central Bank- Structure- Management and organization Function of RBI- Credit Control. Regional Rural Bank: Introduction - Role of RRB – Nature – Capital – Organisation – Function – Maharashtra Gramin Bank.
- c. Students are clear about concept of Co-Operative Banks: Introduction – Maharashtra State Co-operative Bank – District Central Co-operative Banks- Urban Co-operative Banks. A role of Urban Cooperative Bank in Maharashtra. Students are able to understand concept of National Agriculture Bank and Rural Development {NABARD} AND Industrial Development Bank of India { IDBI }

Group - D

Banking and Insurance

Semester - V

## E-Insurance and Accounting - I

### **Specific Outcomes:**

- a. Students are able to define Introduction of Insurance: Meaning of Insurance, Terms used in Insurance, Insurance and Assurance, Types of Insurance – Life Insurance and General Insurance, IRDA Regulation, Private Insurance Companies, Life Insurance Corporation of India, Introduction, Object, Organisation and function of LIC, Life Insurance Corporation Act, 1956.
- b. Students can define concept of General Insurance Of India: Introduction, objectives, Organisation and Function of GIC, General Insurance Business Act, 1972. National Insurance co Ltd. Kolkatta, New India Assurance co Ltd Mumbai, Oriental Fire & General Insurance Co Ltd New Delhi, United India Insurance Co Ltd, Chenia. Important Provisions of General Insurance Act Reserve for unexpired risks, Additional Reserve, Commission, Investment Profit of Insurance Corporation.
- c. Students can describe Preparation of Final Accounts of General Insurance Corporation, Revenue Account, Profit & Loss Account, Balance Sheet in Prescribed, Form.

Group - E

Co-operation & Rural Developments

SEMESTER - V

Paper – Co-operation I

**Specific Outcomes:**

- a. Students are able to understand Meaning & Definition of co-operation, co-operative movement in India & Maharashtra State. A role of co-operative movement in economic development and social development. Co-operative movement and agricultural developments, Maharashtra State Co-operative Act 1960, Formation share capital members, directors management, Byelaws, Meetings, Accounts and auditing of cooperative societies.
- b. Students are clear in concept of Co-operative Urban Societies, Co-operative agriculture societies, Maharashtra State Co-operative Banks, District Central Co-operative Banks, Urban Co-operative Banks, Final Accounts of Co-operative Banks , Problems, Co-operative Housing Societies - formation, Importance, Functions, Management of Co-operative Housing Society, Co-operative Dairy Farm – Formation, Importance Functions, Management of Co-operative Dairy Farms.

Group – “E”

B.Com. III Year V Semester

Paper Rural Development - I

**Specific Outcomes:**

- a. Students acquired Rural Development Planning, Meaning of Rural



Development, Planning for rural development, Planning process, District planning, Grassroots level planning, Rural Development through voluntary effort's. Voluntary agency, administration, development, developing community based programme and projects.

- b. Students are able to understand Integrated Rural Development Programme. (IRDP), Jawahar Rozagar Yojana (JRY), Employment Assurance Scheme. (EAS)

Group – F Travel and Tourism

Semester – V

Travel – I

Travel Agency Management - I

**Course Outcomes:**

Students are able to handle function of Travel agency and Tour operation.

**Specific Outcomes:**

- a. students are able to understand Modes of Travel, {a} Road Transport {b} Rail Transport {c} Air Transport {d} Water Transport, Approval of Travel Agents and tour Operators, Approval by Department of tourism, Government of India, IATA rules and regulations for approval of a travel agency. Approval by Airlines and Railways.
- b. Students are clear in Functions of a Travel Agent: Understanding the functions of a travel agency travel information and counseling to the tourist, Itinerary preparation, reservation, ticketing, preparation and marketing of Tour packages, handling business/ corporate clients including conference and conventions. Sources of income: commission, Service Charges.
- c. Students are familiar with Travel Formalities, Travel Formalities, Passport, Visa, Health requirements, Taxes, customs, currency, travel insurance, baggage and airport information. Definition of Travel Agency and differentiation between Travel Agency and Tour Operation business, Arrangements with Hotels, airlines and transport agencies.

Group – F Travel and Tourism

Semester – V

Tourism – I

**Course Outcomes:**

Students acquired an introductory module giving the basis of Travel and tourism knowledge and application this field.

**Specific Outcomes:**

- a. Students are able to understand What is Tourism? Definitions and Concepts, tourist destination, services and industry, Types of Tourists, Visitor, Traveler, and Excursionist – Definition and differentiation, The Business of Travel Concept of tourism, Tourism types, Tourism Classification Why is tourism growing, why people travel. Students are able to define Tourism Planning and development, Need for planning, Planning process, formulation investment and income in tourism development. Government role in planning, Types and Forms of Tourism Inter-regional and intra-regional tourism, inbound and outbound tourism, domestic, international tourism. Forms of Tourism: religious, historical, social.
- b. Students can define Economic and Social significance of Tourism. Economic benefits, Development of infrastructure, Regional development, effect on employment, Economic value of cultural resources.

Advanced Accounting & Auditing – II

{Semester – VI}

Auditing

**Course Outcomes:**

Students acquired the accounting knowledge and able to apply in different fields also to develop practical knowledge of auditing.

**Specific Outcomes:**

- a. Students are able to understand Introduction of Auditing, Basic Concepts of Auditing, Distinction between Investigation and Auditing, Classification of Audits, Difference between Government Audit and Commercial Audit, Advantages of Audit, Limitations of Audit. Detection and Prevention of Fraud Types of Errors, Location of Errors, Detection and prevention of Fraud, Auditors position as regards to Frauds and errors.
- b. Students are clear in Audit Evidence, Introduction, Evidence for assertions, formation of opinion, types of evidence, Audit techniques of collecting Audit Evidence, Audit Sampling, Types of Sampling, Company Auditor Qualifications, Appointment, Removal, Power, Duties and Responsibilities. Auditors Report, Basic elements of Audit report, kinds of audit report, specimen of clean report, specimen of qualified report.

**MANAGEMENT ACCOUNTING – II**

{Semester – VI}

**Course Outcomes:**

students are able to analysis interpret and use accounting information in managerial decision making. The students have a good working knowledge of the subject, and

understanding of the application of accounting techniques for management.

**Specific Outcomes:**

- a. Students are clear in FINANCIAL STATEMENT ANALYSIS, Meaning - Nature and Limitation of Financial Statement - Objectives and Methods of Financial Statements Analysis - Comparative Financial Statement - Common Size, Financial Statements and Trend Analysis. RATIO ANALYSIS, Meaning - Advantages and Limitations of ratio Analysis - Classifications of Ratios - Calculation of ratios - Current Ratio - Liquid Ratio - Stock Turnover Ratio – Debtors, Turnover Ratio - Creditors Turnover Ratio - Operating Ratio – Gross Profit Ratio - Proprietary Ratio - Fixed Assets Turnover Ratio - Debt Equity Ratio - Return on Capital employed Ratio - Capital Gearing Ratio.
- b. Students acquired WORKING CAPITAL MANAGEMENT, Concept - Nature - Significance and Factor Determining Requirement of Working Capital - Management of Working Capital - Working Capital Forecasting and Techniques of Forecasting Working Capital, CAPITAL BUDGETING, Meaning and nature of Capital Budgeting, Need & importance of Capital Budgeting, Capital Budgeting Process, Methods of Capital Budgeting or Evaluation of Investment Proposals - Traditional Methods- Time adjusted method or discounted method, RESPONSIBILITY ACCOUNTING, Definition, Meaning, Basic Principles, Basic Process in implementation, Responsibility, Reporting, Centers of Control – Cost Centre, Revenue Centre- Responsibility Centre - Profit Centre- Investment Centre, Benefits of Responsibility Accounting.

**ECONOMIC DEVELOPMENT AND PLANNING IN INDIA – II**

**B.Com. III YEAR (VI SEM)**

**Specific Outcomes:**

- a. Students are able to understand OBJECTIVES AND STRATEGY OF

ECONOMIC PLANNING IN INDIA, Objectives and economic Planning in India, Mixed economy and economic planning, Development Strategy in India, Liberalisation, Privatisation and Globalisation, INDUSTRIAL POLICY AND INDIAN PLANNING, Industrial Policy of 1980, Industrial Licencing Policy, Industrial Policy 1991

- b. Students are clear in ECONOMIC REFORMS AND LPG, Performance analysis of public sector, Comparison of the public and private sector, meaning and scope of Privatization Items at Privatization in India, Economic reforms in India. LPG and its impact on Indian Economy, Fair Globalisation and the need for policy framework.
- c. Students can define PLANNING EXPERIENCE IN INDIA, Five year plans, pattern of financing the five year plans in India, Relative merits and demerits of different sources of plan financing, Review of Sixty (60) years of planning of India, ELEVENTH FIVE YEAR PLAN AND INCLUSIVE GROWTH, Economic Scenario on the eve of the eleventh plan, objectives of the eleventh plan, Macro economic dimensions of the eleventh plan, Financing the eleventh plan, Sectoral allocation of resources, Employment perspective in the eleventh plan, Poverty reduction, Regional Disparities in Growth rate.

Business Regulatory Framework - II

B.Com. III Year - VIth Semester

**Course Outcomes:**

Students have a brief idea about the framework of Indian Business Law.

**Specific Outcomes:**

- a. Students are able to define The Consumer Protection Act 1986, Definitions - Complaint, Complainant – Consumer - Consumer Dispute –Goods - Manufacturer - Person – Service – Trader - Rights of the Consumer –

Consumer, Disputes Redressal Agencies - District Forum - State Commission – National Commission, The Negotiable Instruments Act, 1881  
Definitions: {a} Promissory Notes – {b} Bills of Exchange {c} Cheque  
Holder and Holder in due Course - Presentation of Negotiable Instruments  
Crossing of a Cheque

- b. Students can define The Factories Act, 1948 Definitions: {a} Worker {b} Factory {c} Occupier {d} Approval Provisions Relating to: {a} Inspecting Staff {b} Health {c} Safety {d} Welfare {e} Working Hours, The Industrial Disputes Act, 1947 Definitions of Industry - Definitions of Industrial Disputes - Authorities for settlement of Industrial Disputes - Strike and Lock Outs - Lay offs and Retrenchment, Cyber Laws and RTI (Right to Information Act 2005), Cyber crimes and Legal provisions relating to cyber crime. Nature and scope of RTI.

Taxation Group - A

B.Com. III Year, VIth Sem

Income Tax Law & Practice –II

Course Outcomes:

Students have sound knowledge of the important provisions of the Income Tax law

and their applications.

**Specific Outcomes:**

- a. Students are clear in Set-off and Carry Forward of Losses, Meaning of Set off of Losses, Set off under the same head and under the other heads, set off of capital losses, set off of business losses, Meaning of Carry forward of losses, Carry forward of capital losses, Carry forward of business losses and losses under house property income. Simple problems on set off and carry forward of losses of an individual.
- b. Students can understand Deduction from GTI of An Individual and A Hindu Undivided Family, Deduction u/s 80C- in respect of sums paid or deposited in LIP, RPF, PPF, NSC, VIIIth Issue, Home loan Installments and Tuition Fees. Deduction u/s 80D- in respect of Medical Insurance premia, Deduction u/s 80DD- in respect of medical treatment of disabled dependant. Deduction u/s 80E- in respect of interest on higher education loan.
- c. Students are able to define Computation of Tax Liability, Tax Rates in respect of individuals, Computation of Tax Liability of an individual, Provisions concerning advance tax and tax deducted at source, Provisions for filing of return of income.

ssTaxation Group - A

B.Com. Ill Year, VIth Sem

M-VAT and Service Tax – II

**Course Outcomes:**

Students have good knowledge of the important provisions of the Maharashtra Value Added Tax Act and their application in Service.

**Specific Outcomes:**

- a. Students are clear in Introduction to Service Tax Nature of Service Tax, Tax on Services, Constitution basis of Service Tax, Law Governing Service Tax, service Tax Administration, Charge of Service Tax, Provision, Taxable Service – List service provider, service recipient, Rate, value of taxable service
- b. Students have knowledge of Taxable Service – Classification, Taxable Service, valuation, Exemption, Payment of Service Tax, Point of Taxation Basic Principles Registration, Filing returns. Practising Chartered Accountant, Commercial Training or Coaching Practicle Problems.

Management Group – B

Human Resource Management II ( Semester VI)

**Course Outcomes:**

Students have sound understanding of the basic principles of Human Resource Management and their applications in the business & industry.



**Specific Outcomes:**

- a. Students know Motivations and Job Satisfaction, Meaning and Definitions Factors of Motivation Importance of Motivation Types of Motivation Job Satisfaction, Wages and Salary Administration, Concept of Wages and Salary Principles of Wages and Salary Administration Types of Wages Incentives Schemes and Fringe Benefits
- b. Students are clear in Performance Appraisal: Concept of Performance Appraisal Objectives of Performance Appraisal Benefits of Performance Appraisal Methods of Performance Appraisal, Workers Participation in Management and Empowerment Concept of WPM Forms of WPM - Committees, Suggestion Schemes, Quality Circle Empowerment, Emerging Issues in HRM Human Resource Accounting Human Resource Audit Human Resource Information System TQM Approach to HRM

Management Group – B

Marketing Management – II (Semester VI)

**Course Outcomes:**

Students have sound understanding of the basic principles of Human Resource Management and their applications in the business & industry.

**Specific Outcomes:**

- a. Students are able to understand Market Segmentation, Meaning and Concept of Market Segmentation Bases for Market Segmentation, Benefits of Market Segmentation Concept of Target Marketing Concept of Positioning Strategy
- b. Students are able to define Consumer Behaviour, Meaning and Concept of Consumer Behaviour Factors affecting the Consumer, Behaviour Stages in Buying Decision Making Process Organizational Consumer and their Buying Decision Making Process
- c. Students are able to understand Customer Relationship Management, Meaning and Concept of CRM Advantages of CRM Strategies for Maintaining Customer Relations, Marketing Research, Meaning and Concept of Marketing Research Objectives and Importance of Marketing

Research Types of Marketing Research Scope of Marketing Research  
Process of Marketing Research, Recent Trends in Marketing, Green  
Marketing Rural Marketing Insurance Marketing E-Marketing Event,  
Marketing Giobai Marketing

Group – “C”

E- COMMERCE

B.Com. VI Semester

Paper III E-Commerce: Legal Framework & Technology

**Specific Outcomes:**

- a. Students are able to understand Electronic Data Interchange - What is EDI, Building Block of EDI, system, Benefit of EDI, Application of EDI, E-Commerce -Information Distribution and Messaging: File Transfer Protocol (FTP), Application Electronic Mail, WWW Server.
- b. Students are able to define Framework & Infrastructure of E-Commerce - Framework of E-Commerce, Infrastructure of E-Commerce, Software and E-Commerce.

Paper IV E-Commerce: Marketing & Internet Advertising

**Specific Outcomes:**

- a. students can define E-Commerce- Information Publishing Technology, Information Publishing, Web Browsers Multimedia content, E-Commerce - Influence on Marketing: Product, Physical Distribution, Price, Promotion, Marketing Communication, Common E-marketing tools.
- b. Students are clear in Internet Advertising- Internet Advertising, Competitive Advertising Media, Models of Internet Advertising Website, Sponsoring, Agents in E-Commerce : Need for agents, types of agents, Agents Technologies, Project - Marketing of Internet Advertising.

Group - D

## Banking and Insurance Semester – VI

### E- Banking and Accounting - II

#### **Specific Outcomes:**

- a. Students can understand I Banking Regulation Act, 1949: Important Legal Provisions - Meanings of Banking Company, Licensing of Banking Companies, Maintenance of Cash Reserve Ratio {CRR}, Statutory Liquidity Reserve {SLR}, Minimum Transfer of Profit to Reserve Fund, Accounting of Banking Companies: Books of Accounts of Banking company, Balance Sheet and profit and loss account of banking companies in prescribed form – practice problems on Banking Final Accounts.
- b. Students are able define III Banking Sector Reforms in India: Non-Performing Assets {NPA}, Capital to Risk Weighted asset Ratio {CRAR}, Basis of Income Recognition, Credit Deposit Ratio { CD Ratio}, Classification of Standard Assets, Sub Standard Assets Bad and Doubt full Debts, Assets Liabilities Management, Exposer Limit, E-Banking: Computer Accounting in Banking Companies, Core Banking, Automated Teller Machine {ATM}, Debit Card and Credit Card, Online Banking, Real Time Gross Settlement {RTGS}, Cheque Truncation System (CTS) Cheque, National electronic Fund Transfer (NEFT)
- c. Students are clear in Audit of Banking Companies: Statutory Audit {CAMEL Rating}, Concurrent Audit, Inspection of Banking by RBI { CAMEL Rating}, Audit Report of Banking Companies.

#### Group - D

## Banking and Insurance Semester – VI

### E-Insurance and Accounting Specific

#### Outcomes:

- a. Students are clear in Life Insurance Business Meaning of Life Assurance, Types of Life Insurance Policies, Life Insurance Premium, Insurance Claims, Preparation of Final Account of Life Insurance Corporation Revenue Account Profit & Loss Account and Balance Sheet in prescribed form. Practical Problem.
- b. Students are able to understand E- Insurance Computer Accounting of Insurance co., Collection of Premium Online, Disclosures forming part of financial statements, Audit of Insurance Company Statutory Audit of Insurance Company Internal Audit of Insurance Company Inspection by IRDA Audit report of Insurance Company, Bancassurance Bancassurance in a global perspective, Bancassurance in India , Bancassurance model, Guidelines for Bancassurance, future of Bancassurance

Group - E

Co-operation & Rural Developments SEMESTER - VI

Paper – Co-operation II

**Specific Outcomes:**

- a. Students can define Consumers Co-operative stores – formation, importance, function management of consumer co-operative stores preparation of final accounts of co-operative consumers stores – problem, Co-operative sugar factories – Importance function, formation, management of co-operative Sugar factories.
- b. Students can understand concept of Employees salary earner’s co-operative societies – formation Functions importance, management of salary earner’s co-operative societies, final account of salary earner’s co-operative societies – problem, Co-operative marketing societies - formation, importance, function, Co-operative Department of Maharashtra State Government Commissioner, Registrar, Deputy Registrar, Assistant Deputy Registrar, Co-operative officer their powers & duties.

Group – “E”

B.Com. III Year VI Semester

Paper Rural Development - II

**Specific Outcomes:**

- a. Students are able to define Swarnjayanti Gram Swarojgar Yojana ( SGSY), Prime Minister's Rozagar Yojana. (PMRY), Rural Employment Generation Programme. ( REGP), Rashtriya Mahila Kosh, Programmes of Development Finance Corporation.

Group – F

Travel and Tourism Semester – VI

Travel – II

**Course Outcomes:**

Students are able to understand Travel agents & Tour guide and its application.

**Specific Outcomes:**

- a. Students can understand Travel Agency, Travel Agents, Tour operators, Function of a travel agent – Travel information, Ticketing, Insurance, Information on destination, package tour, Tours and excursion Travel agency commission How to set up a travel agency, Guiding Concept:

Meaning, Concepts & Types of Guides: Conceptual meaning of Tourist Guide, duties and responsibilities. How guides are appointed in tour.

- b. Students are able to understand Responsibilities of Guides: Preparation of a tour: Review of itinerary, Participant list, accuracy, timings and practicality, Identifying the group or individual traveller's special needs. Checking Vehicle, Locating Vehicle and contacting driver; standard of dress and personal grooming; Greeting participants and introducing self; Leading the participant: Skills in leading the group, General instruction to Participants at monuments.
- c. Students are able to understand Personality Developments of Travel agent, Tour operator, Guide Introduction: Meaning of Personality, Personality Factors- external, internal. Effective or winning personality, developing a selling personality. Communication skills Personality grooming, physical fitness, dressing sense, formal and informal clothing, behavior with male and female clients, behavior in office.

Group – F

Travel and Tourism Semester – VI

Tourism – II

**Course Outcomes:**

Students acquired operation techniques of tourism marketing, basic knowledge of tourism marketing and its application.

**Specific Outcomes:**

- a. Students are able to define Principles of Tourism marketing Principles of marketing, Determination of objectives integrated marketing, Tourist marketing mix, Marketing tools- promotion, communication in tourism promotion. Advertising agencies, Tourism Marketing Mass production and markets, marketing concepts, marketing in Tourism, Market segmentation – its bases, marketing process and functions.
- b. Students can understand concept of Tourism Promotion Advertising, sales support, public relations, Tourist publication evolution and modern Trends, Accommodation History and need of Hotel, Types of Hotels, Classification of Hotels, Registration and gradation of Hotels changing of profile of accommodation sector, Role of Travel agency in Tourism Thomas cook and the organization of Travel. Keshri Tours and the organization of tour.

## SYLLABUS FOR B.COM THIRD YEAR

### SIX SEMESTER

With effect from June 2013 - Restructured w.e.f. 2016-17

B.Com. III Year, UGC Vocational Course Group (Tax Procedure & Practice)

Paper I: Income Tax Procedure & Practice-I

#### **Course Outcomes:**

Students acquired sound knowledge of the important provisions of the Income Tax law and their applications in solving problems on computation of Total Income and Tax Liability of an individual a HUF.

#### **Specific Outcomes:**

- a. Students are able to understand Assessment of Individuals: Computation of GTI and Total Income of an individual considering the Deductions u/s 80C,80D,80DD and 80E only, Assessment of Hindu Undivided Families: Computation of GTI and Total Income of a HUF considering the Deductions u/s 80C,80D and 80DD only.
- b. Students are clear in Computation of Tax Liability: Tax Rates in respect of individuals and HUFs, Computation of Tax Liability of an individual and a HUF, Set-off and Carry Forward of Losses: Meaning of Set off of Losses, Set off under the same head and under the other heads, set off of capital losses, set off of business losses. Meaning of Carry forward of losses, Carry forward of capital losses, Carry forward of business losses and losses under house property income. Simple problems on set off and carry forward of losses of an individual.
- c. Students can define Deductions From GTI of An Individual and A Hindu Undivided Family: Deduction u/s 80C- in respect of sums paid or deposited in LIP,RPF,PPF,NSC VHIth Issue, Home loan Installments and Tuition Fees. Deduction u/s SOD-in respect of Medical Insurance premia, Deduction u/s 80DD- in respect of medical treatment of disabled dependant. Deduction u/s 80E-in respect of interest on higher education loan

B.Com. III Year, Vth Sem

UGC Vocational Course Group (Tax Procedure & Practice)

Paper II: MVAT & Service Tax Procedure & Practice-I

**Course Outcomes:**

Students have good knowledge of the important provisions of the Maharashtra Value Added Tax Act and their application in Business and Industry.

**Specific Outcomes:**

- a. Students are clear in Introduction to VAT: What is VAT? Features of VAT, Merits of VAT, Demerits of VAT, VAT in India, Introduction to M- VAT Act: Different definitions under the act: Business, Dealer, Declared Goods, goods, Manufacturer, Person, Purchase price, Sale price, Tax Free Goods, Who is liable to pay tax under M-VAT Act, Rates of Taxes, Registration Procedure under the M-VAT Act: Who get registered? Application for Registration, Grant of Registration Certificate, Cancellation Certificate of Registration. Students have clear idea about Types of Dealer: Various types of Dealer under MVAT- Unregistered Dealer, Composite Dealer Registered Dealer, Regular Dealer, yrComputation of Tax liability: Computation of Tax liability under composite dealer, Unregistered dealer, Regular Dealer and Registered Dealer under MVAT Act

B.Com. III Year, VIth Sem

UGC Vocational Course Group (Tax Procedure & Practice)

Paper I: Income Tax Procedure & Practice-II

**Course Outcomes:**

Students have sound knowledge of the important provisions of the Income Tax law and their applications in solving problems on computation of Total Income and Tax Liability of an individual a HUF.

**Specific Outcomes:**

- a. Students are clear in Assessment of Firms: Computation of GTI and Total Income of Firm considering the Deductions u/s 80G & 80IB, Assessment of Companies: Computation of GTI and Total Income of a Companies considering the Deductions u/s 80 G and 80 IB, Computation of Tax Liability: Tax Rates in respect of Firms And Companies, Computation of Tax Liability of Firms and Companies.

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- b. Students are able to understand Advance Tax: Concept of Advance Tax, Corporate Assesse, Non corporate Assesse Computation of Advance Tax Liability, Tax Deducted At Source: Concept of TDS, TDS on Salary, TDS on Interest other than Securities, TDS on Rent TDS on Contractor.

B.Com. III Year VIthSem

UGC Vocational Course Group (Tax Procedure & Practice)

Paper II: MVAT & Service Tax Procedure & Practice-II

**Course Outcomes:**

Students have good knowledge of the important provisions of the Maharashtra Value Added Tax Act and their application in Business and Industry.

**Specific Outcomes:**

Students are able to understand Concept and General Principle Levy of Service Tax In India Constitutional Authority Tax Law and Procedure, Service Tax and Chartered Accountant, Taxable services Taxable Services Practising Chartered Accountant Consulting Engineer Commercial Training or Coaching, Computation of Service Tax Liability: Concept of Input and Output services. Input Credit / set-off CENVAT credit setoff, Registration, Records, Filing of Returns & Assessment. Registration Books & Records Assessment and Returns, Payment of Service Tax Payment of service Tax, Due date of payments, Small Service Provider Interest on delay Payments.

Environment study

- Student became well aware about the environment and surrounding geography.
- Students got the knowledge of natural sources, its limitation.
- Students have started to take care of natural resources properly.
- Students got knowledge about various types of pollutions and remedies to overcome the problems of pollutions. Students are made aware on the global warming and its impact on the lives of planet earth.



**Nutan Vidyalaya Shikshan Sanstha's**  
**Nutan Mahavidyalaya Sailu, Dist.Parbhani**



**PROGRAM OUT COMES OF B.SC.**

**A) COMPULSORY ENGLISH**

**Compulsory English-**

**First Year Semester I**

1. The Department introduced the students with short stories and essays on a variety of topics.
2. The teachers in the department encouraged the students to understand and appreciate prose writings of well-known writers
3. We tried to make students understand the importance of prose and how it differs from that of poetry.
4. We teach the students the grammar items such as antonyms and synonyms.
5. We encouraged them to write grammatically accurate imaginative prose passages, letters, short reports etc.

**Compulsory English-**

**First Year Semester II**

1. The teachers in the department encouraged the students to understand and appreciate short lyrical poems.
2. Motivated them to understand and enjoy the inherent rhythmic beauty of lyrical poetry.
3. Introduced the students to famous world poets such as Shakespeare, Blake and Tagore.
4. We, the teachers in the department, taught various grammar items and general language skills.
5. The students were taught the difference between verbal and non-verbal communication.

## **Compulsory English-**

### **Second Year Semester III**

1. We, the teachers in the department, introduced the students with short stories, essays on a variety of important topics.
2. Encouraged them to understand and appreciate prose writings of well known writers.
3. We helped our students to learn grammar items such as idioms, phrases, and reported speech.
4. We tried to equip them with grammatical knowledge to enable them to write grammatically correct sentences.
5. We took special care to enable them to prepare them for competitive examinations.

## **Compulsory English-**

### **Second Year Semester IV**

1. We encouraged our students to understand the brief history of poetry and its peculiarities.
2. Encouraged our students to understand and appreciate short lyrical poems.
3. We made an attempt to acquaint them with world famous poets such as Wordsworth, Blake, Keats, Byron, Browning and Tagore.
4. We developed in the students communicative competence by encouraging them to learn to read and write and listen good English.
5. The teachers also tried to make the students understand as to what is non-verbal communication and its importance.

## **B) SL**

### **1) HINDI(SL)**

1. Develop competency in Literary Forms(Hindi Poetry & Fiction).
2. Develop Reading ,Writing, & Communication Skill in Hindi.
3. Get information about the History of Ancient, Medieval and modern Hindi Literature.
4. Learn the Literary works on the basis of foundation laid by the scholars.
5. Get Information about the Literary Theory.
6. Develop Approach of Hindi Linguistics & Grammar.
7. Get the jobs for their livelihood.
8. Be Motivated for their further education.

### **2) MARATHI(SL)**

#### **BSC FY I SEM**

1. Students can understand types of literature prose and poetry
2. Students have introduced Medium and Modern prose literature.
3. Students have partly introduced of Medieval and modern Marathi poetry literature.
4. Students have gained how to use language to develop the personality.
5. Students acknowledgement/learned today English words alternative Marathi words.
6. Students introduced values like ‘Truth’, ‘Freedom’ and eagerness knowledge through Marathi stories and poems.

## **II SEM**

1. Students understand language different of prose and poetry between medieval and modern.
2. Students learned values of character to learned and mutual understanding through prose study.
3. Students introduced medieval and modern Eris type of poetry and its different aspects.
4. Students introduced with letter writing skill and introduced with official letter writing.
5. Students can conduct a program as well as Anchoring.

## **3) SANSKRIT(**

### **SL)BSC FY**

### **FIRST SEMESTER**

#### **Nitishatakam**

#### **Aims :**

1. students learnt how to judge fool people from society.
2. Students learnt to know good people.
3. Students learnt that "We can't satisfy fool people".
4. Students learnt that "Laziness is the biggest enemy of human being". Hence don't be lazy.
5. Students learnt that you should be consistent in your work. Students learnt that doesn't care about joy or sorrowness until you reach your aim.
6. Students learnt that to spend their life for people and society like a tree.
7. Students learnt the importance of knowledge
8. Students understood the importance of wealth.
10. Students understood the importance of wise.
11. Students learnt to have patience even under the crises, etc.

## SECOND SEMESTER

### Vaidyakiya subhashite (वैद्यकीयसुभाषिते)

#### **Aims :**

1. Students understood the importance of air, pranayam, the types of pranayam, how precious pranayam is.
2. Students are able to understand the importance of bath, types of bath,
3. Students learnt the importance of purism, types of purism, how to keep all type of purism.
4. students are clear about the importance of water, they know types of water, water is priceless and they are trying to save water.
5. Students are able to understand importance of food.

### 2. Sanskrit- Marathi Rinanubandh(संस्कृत-मराठी रिनानुबन्ध)

#### **Aims :**

1. Students are able to understand the importance of both Marathi and Sanskrit languages.
2. Students are able to know the borrowed words, the allied words.
3. They are clear about the knowledge of both Marathi and Sanskrit languages which helps them in various competitive exams in future. BSC SY

## Third semester

### 1. Hitopdesha and Sanskrit sahyacha sopapattik itihash

(1. हितोपदेशास्योपपत्तिक इतिहास / 2. संस्कृतसाहित्याचा सोपपत्तिक इतिहास)

#### **Aims :**

1. Students got knowledge through stories.
2. Students identified the good and bad people.
3. Students learnt that not to have averse as averse will cause great damage in their social life.
4. Students aware about the importance of knowledge.
5. Students are able lead to a ideal citizen.

## 2. Sanskrit sahyacha Sopapattik Itihas (°ÉÆ°EÞðîÉ °ÉÉÊ½ÞiAÉÉSÉÉ)

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### Aims :

1. Students have knowledge of the history of Sanskrit language.
2. Students know about types of stories.
3. Students are able to start writing various stories.
4. Students got practical knowledge through these stories.

## Fourth semester

### 1. Karnbharam / 2. Vimansthan adhyaya (Charaksanhita)

(1.EðhÉÇ|ÉÉ®ú·ÉÂ 2. Ê'É·ÉÉxÉ°|ÉÉxÉ +vAÉÉAÉ)

### Aims :

1. Students know about types of dramas, the importance of character "Karna" in Mahabharat.
2. Students obey the elders. they accept the habit of donating and they stand upon their own promise.

### 2. Vimansthan adhyaya charaksanhita (Ê'É·ÉÉxÉ°|ÉÉxÉ +vAÉÉAÉ)

### Aims :

1. students know the importance of Charaksanhita, Aayurved shastra. Students are capable to identify good books as well as judge the ideal teacher.
2. student tried to become a good student.

## C) SCIENCE GROUP

### 1)BOTONY

## B. Sc. First year

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1- Students acquired knowledge of the importance and scope of the discipline and to provide mobility to students from one university or state to other.

2- Students introduced recent advances in the subject and enable to face Net, SET, UPSC and other competitive examination successfully.

3- Students acquired knowledge of plant science as the basic objective of education

4- students developed a scientific attitude so become open minded, critical and curious, got ability to work on their own and to make them fit for the society.

5- Students are able to expose themselves to the diversity amongst life forms and developed skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of plant materials and data.

6- students are aware of natural resources and environmental and the importance of conserving the same, and developed ability for the application of the acquired knowledge in the fields of life so as to make our country self reliant and self sufficient as well as appreciate and apply ethical principles to plant science research and studies.

## **B. Sc. Second year**

1- To provide an updated education to the students at large in order to know the importance and scope of the discipline and to provide mobility to students from one university or state to other.

2- To update curriculum by introducing recent advances in the subject and enable the students to face Net, SET, UPSC and other competitive examination successfully.

3- To impart knowledge of plant science as the basic objective of education

4- To develop a scientific attitude to make students open minded, critical and curious.

5- To develop an ability to work on their own and to make them fit for the society.

6- To expose themselves to the diversity amongst life forms

7- To develop skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of plant materials and data.

8- To make aware of natural resources and environmental and the importance of



conserving the same.

9- To develop ability for the application of the acquired knowledge in the fields of life so as to make our country self reliant and self sufficient.

10- To appreciate and apply ethical principles to plant science research and studies

## **B. Sc. Third Year**

1-To provide an updated education to the students at large and to provide mobility to

Students from one university or state to other

2-To update curriculum by introducing recent advances in the subject and enable the

Students to face NET, SET, UPSC and other competitive examinations successfully.

3- To create awareness among the students about the botany and train them in the Subject.

4- To improve the quality of laboratory and field work, for which study tours and excursions have been made compulsory so that the students can become familiar with the flora and ecosystems of that area.

5- To prepare such a dynamic curriculum by incorporating innovative concepts and a multidisciplinary approach which can attract and develop interest among the students for selecting plant science as their career.

## **PROGRAMME SPECIFIC OUTCOME (Theory)**

### **B.Sc. First**

#### **Year Semester**

**-I**

#### **Paper Name- Diversity of Microbes**

#### **Biology Paper No.-I**

- 1) students are able to understand diversity amongst the microbes, salient features of microbes like bacteria and fungi.
- 2) Students acquired knowledge about the role of Lichens in soil formation

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and also their economic importance for various purposes

- 3) Students got knowledge about the mode of nutrition in fungi and bacteria, the various diseases caused by fungi, bacteria and viruses, and the life cycle pattern in fungi and bacteria.

## **B.Sc. First**

### **Year**

### **Semester –I**

#### **Paper Name- Cell and Molecular**

#### **Biology Paper No.-II**

- 1) students are able to Understand structure of Prokaryotic and Eukaryotic cell, the role of cell organelles in cell, the karyotype and ideogram of human being
- 2) students understand the difference between normal and giant chromosome, structure, replication and function of DNA, the gene and related diseases like AKU and PKU.

## **B.Sc. First Year**

### **Semester–II**

#### **Paper Name- Diversity of Cryptogams**

#### **Biology Paper No.-III**

- 1) students are able to Understand about the diversity of algae, bryophytes, and Pteridophytes.
- 2) Students Know the lifecycle pattern and alternation of generation in algae, bryophytes and pteridophytes and about the economic importance of algae.
- 3) Students got knowledge about the habit, habitat and mode of nutrition in higher cryptogams, the mode of reproduction in higher cryptogams.

## **B.Sc. First**

### **Year Semester**

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**-II**

**Paper Name- Genetics and plant Breeding**

**Biology**

**PaperNo.-IV**

- 1) students are able to Know the sex determination in different animals, about the gene interaction and epistasis.
- 2) Students can Understand the sex linked inheritance and its types, and the X-linked disorder in Human Drosophilla
- 3) Students can Understand the different methods of plant breeding, mutational breeding and its application, and various steps in hybridiazation.

**B.Sc. Second Year**

**Semester -III**

**Paper Name-Morphology and Taxonomy of Angiosperms Paper No.-VI**

- 1) students are able to understand the morphological characteristic of angiospemic plants which helps in their identification and classification, the diversity of angiospermic plants, the distinguishing characters of angiospermic plants.
- 2) Students acquired knowledge about the economic importance of the angiospemic plants, the binomial nomenclature system of angiosprmic plants, different methods of classification of flowering plants with theirmerits and demerits.

**B.Sc. Second**

**Year Semester**

**-III**

**Paper Name-Histology Anatomy and Embryology of Angiosperms Biology**

**PaperNo.-VII**

- 1) students are able to Understand simple and complex permanent tissue, normal and anomalous secondary growth in plants, the role of secretary tissues. Program course and specific outcomes BA,BCOM.BSC-20019-20-Nutan

- 2) Students can Understand the structure and development in microsporangium and megasporangium, the development of male and female gametophyte, the development of endosperm, and the structure of dicot and monocot embryo.

## **B.Sc. Second**

### **Year Semester**

**–IV**

### **Paper Name-Gymnosperms and Paleobotany Paper No.-VIII**

- 1) students are able to understand the morphological and anatomical characters and reproductive characters of gymnosperm plants, the evolutionary trends, affinities and relationship of gymnosperms with angiosperms
- 2) Students Know the economic importance of gymnospermic plants, importance fossil plants, and the application of paleobotany, the types of fossilization.

## **B.Sc. Second Year**

Semester –IV

### **Paper Name-Ecology and Environmental Biology**

**Paper**

**rNo.- IX**

- 1) Students are able to understand scope of ecology, the different ecological factors and its role, the soil components and soil profile.
- 2) Students acquired the knowledge about morphological and anatomical adaptation in Hydrophytes and Xerophytes, the impact of human activities on environment, biogeochemical cycle and its role in nature,
- 3) Students can understand deforestation and its effect, and the global issues concerned with environment.

## **B.Sc. Third Year**

### **Semester –V**

#### **Paper Name-Plant Physiology**

#### **Paper No.- XII**

- 1) students are able to understand different biophysico-chemical phenomenon, mechanism of ascent of sap.
- 2) Students are able to learn about paratonic and nastic movement, the role of macro and micro elements in plants.
- 3) Students can define the translocation of organic solutes in plants, application of plant growth hormones, biological functions of secondary metabolites.

## **B.Sc. Third**

### **Year**

### **Semester –V**

#### **Paper Name-Plant Pathology-I**

#### **Paper No.- XIII**

- 1) students are able to Know scope, importance and advancement of plant pathology, classification of plant diseases on the basis of causal organisms and symptoms, Field and laboratory diagnosis of plant pathogens. Students are clear about the Kochs postulates for pathogenicity, different modes of entry of plant pathogens, different factors affecting diseases development, dispersal of plant pathogens, diseases in detail of various important crops along with the control measures.

## **B.Sc. Third Year**

### **Semester –VI**

#### **Paper Name-Plant Metabolism, Biochemistry and Biotechnology**

**Pape**

**rNo.- XIV**

- 1) students are able to Understand the mechanism of photosynthesis and respiration, fermentation, concept of holoenzyme, and the symbiotic and asymbiotic nitrogen fixation .
- 2) Students can understand the mechanism of enzyme activity, technique of recombinant DNA technology, about cloning vectors and agrobacterium mediated gene transfer, basic aspects of tissue culture, and application of tissue culture and transgenic plants.

## **B.Sc. Third Year**

### **Semester –VI**

#### **Paper Name-Plant Pathology-II      Paper No.- XVI**

- 1) students are able to understand the aerobiology, its scope and importance, seed-borne pathogens, their isolation and seed certification, defense mechanism of host plants and plant disease management.
- 2) Students are clear about the diseases cycle, symptoms and control measures of diseases of important crops, the loss in yield of host crop plants due to the diseases.

## **PROGRAMME SPECIFIC OUTCOME (Practical)**

### **B.Sc. First Year**

#### **Biology Paper No.-V**

- 1) students are able to Observe the morphological features of algae, the salient features of Bryophytes and Pteridophytes.
- 2) Students can understand the structure of Polytene and Lampbrush chromosome, the preparation of slides of Mitosis and Meiosis, Interaction of allelic gene and its ratio, the human syndromes.
- 3) Students can Identify symptoms of Yellow vein mosaic of Bhendi and Littleleaf of Brinjal, Study the morphology of various types of lichens, the symptoms of plants diseases caused by fungi and bacteria.
- 4) Students can Understand the structure of thallus of algae and bryophytes, visited the damp, rivers, hilly places for the collection of samples.

### **B.Sc. Second Year**

#### **Biology Paper No.-X**

- 1) students are able to understand the morphological characters of angiospermic plants, Identify and classify the flowering plants, anatomical characters of plants by preparation of double stained permanent slides.
- 2) Students can understand fossil plants with the help of specimens and slides, flowering plants through short and long botanical excursion.

### **B.Sc. Second Year**

#### **Biology Paper No.-XI**

- 1) students are able to understand different tissue system in plants, double stained preparation of slide, the morphological and anatomical features of

Hydrilla stem, Casuarina stem and Nerium leaf.

- 2) Students Visited nearby locality to observe Hydrophytes and Xerophytes, the forest to observe biodiversity, the plant biomass above the ground in forest. B.Sc. Third Year

### **Biology Paper No.-XVI**

- 1) students are able to understand the water potential of potato tube and osmotic potential of vacuolar sap by plasmolysis, the methods of separation of photosynthetic pigments in plants, Arc indicator, Clinostat and Kuhns fermentation.
- 2) Students can Understand qualitative analysis of protein and carbohydrates, the amount of glucose and protein in plant, the osmosis by potato osmoscope, the micro chemical test for organic acids.

### **B.Sc. Third Year      Biology Paper No.-XVII**

- 1) students are able to know the laboratory equipments, Prepare the media for the isolation of plant pathogens.
- 2) Students can study Kochs Postulates, symptoms of fungal diseases and the morphology of the pathogens, Calibrate the microscope to study the fungal pathogens, the plant diseases through short and long excursion.

## **2) Computer Science**

1. Serve as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.
2. Serve as the Computer Engineers with enhanced knowledge of computers and its building blocks.
3. Work as the Hardware Designers/Engineers with the knowledge of Networking Concepts.
4. Work as the System Engineers and System integrators
5. Serve as the System Administrators with thorough knowledge of DBMS.
6. To Give Technical Support for the various systems.
7. Work as the Support Engineers and the Technical Writers
8. Work as Consultant and Management officers for system management.
9. Work as IT Sales and Marketing person.
10. Serve as the IT Officers in Banks and cooperative

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societies. 11. Work as DTP Operator in small-scale industries.

12. Serve as the Web Designers with latest web development technologies.

## **Programming in C**

- 1) Students are clear about the basic concepts of program development statements and its syntax, the various types of arrays and its structure, various types of Functions and String handling mechanisms.
- 2) Students can understand the Concepts of structures and Unions, the various operations performed on different types of files.

## **Object Oriented Programming with C++**

- 1) Students are able to understand the top-down and bottom-up programming approach and apply bottom up approach to solve real World problems, the difference between static and dynamic binding. Apply both techniques to solve problems.
- 2) Students are clear about the concept of inheritance and apply real world problems, generic data type for the data type independent programming which relates it to reusability, design of handling large data set using File I/O.

## **JAVA PROGRAMMING**

- 1) Students are clear about basic Java language syntax and semantics to write Java programs, the concepts of variables, conditional and iterative execution methods etc, the fundamentals of object-oriented programming in Java, including defining classes, objects, invoking methods.
- 2) Students can understand various methodologies to handle the exception mechanisms and the principles of inheritance, packages and interfaces, Demonstrate the programming concepts for applet and graphics.

## **WEB DESIGN TECHNOLOGY**

- 1) Students can understand the concepts of markup languages, un order list, table, formatting, linking and frames, creation of cascading style sheets, backgrounds, media types and building a dropdown menu.
- 2) Students know the JavaScript, control structure, if structure, switch, do-while and logical operators, javascript functions, javascript arrays and javascript objects, the DOM, javascript events and XML.

## **OPERATING SYSTEM**

- 1) Students can describe the basic components of an operating system and their role in implementations for general purpose, real-time and embedded applications, the concepts of processes, threads, asynchronous signals and competitive system resource allocation.
- 2) Students are able to understand multi-tasking and outline standard scheduling algorithms for Multi-tasking, mutual exclusion principles and their use in concurrent programming including semaphore construction and resource allocation, details of major operating system concepts, overview of system memory management and the implementation of file systems.

## **VISUAL BASIC**

- 1) Students are clear about the basic Concepts of Program building block control statements and the basic concepts of function and procedure, the functionality and properties of GUI based ActiveX Control with example programs, about graphics handling related control and properties.
- 2) Students know about the fundamental functions and properties of Advanced ActiveX Control, concepts of database handling using DAO, ADO and RDO control with data report concept.

## **Database Management System students are able to understand the fundamentals of File processing and database processing system, various data model and its application, various normal forms and its role in DBMS.**

- 1) Students can understand the fundamental concepts of SQL programs, function, procedure, package, trigger and exception handling.

## **COMPUTER NETWORK**

- 1) Students can explain the local, metropolitan and wide area networks using the Standard OSI reference model, various networking technologies, protocols, network interfaces and design of performance issues in local area networks and wide area networks.
- 2) Students are clear about wireless networking concepts, contemporary issues in networking technologies, network tools and network programming, analysis of different types of protocol and the comparison of number of data

link, network and transport layer protocols.

## **SOFTWARE ENGINEERING**

- 1) Students can define the fundamental knowledge in science, mathematics, fundamentals of computer science, software engineering and multidisciplinary engineering to begin in practice as software engineer, design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, manufacturability, sustainability, ethical, health and safety.
- 2) Students can describe the techniques, skills, and modern engineering tools necessary for engineering practice, the early careers will be capable of team and organizational leadership in computing project settings, and have a broad understanding of ethical application of computing-based solutions to societal and organizational problems.
- 3) Students are clear about analyze, design and manage the development of a computing based system, component or process to meet desired needs within realistic constraints in one or more application domains.

**Programming in C LAB 1) Students can understand design and algorithmic solution for a given problem, Construction of flowchart for the computer programs, using Control Statements, using Arrays and Functions, using file handling with structure.**

### **Programming In C++ Lab**

- 1) Students can explain the features of C++ using object oriented programming, relative merits of C++ as an object oriented programming language, major object-oriented concepts to implement object oriented programs in C++ Using encapsulation and inheritance.
- 2) Students can describe the major object-oriented concepts to implement object oriented programs in C++ Using polymorphism, the advanced features of C++ specifically stream I/O, templates and operator overloading

## **JAVA PROGRAMMING LAB**

- 1) Students can understand the programming language design, syntax and semantics, critical thinking skills through solving programming problems,

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standard syntax for java programs and other programs Tools.

- 2) Students can define animation and events based advanced java program concepts (Applet), java programs using object oriented class with parameters, constructors, utility, calculations, and methods including inheritance, test classes and exception handling.

## **WEB DESIGN TECHNOLOGY LAB**

- 1) Students can explain the fundamental tags used in HTML,
- 2) Students can develop the web page in various applications, the web page using various ordered and unordered listing commands.
- 3) Students can understand the web page using frame concepts with multi-media handling, web page using java script.

## **VISUAL BASIC and ORACLE LAB**

- 1) Students can explain the simple programs using basic control statement, GUI based program using Basic ActiveX Control, different advanced ActiveX control with example application programs, various types of data base handling with MS-Access and Oracle, concepts of data report for an organization.

## **3) MATHEMATICS**

### **1. Introduction:**

The courses for the UG Program are framed using time tested and internationally popular text books The idea is to make learning mathematics meaningful and an enjoyable activity rather than acquiring manipulative skills and reducing the whole thing an exercise in using thumb rules. As learning Mathematics is doing Mathematics, to this end, some activities are prescribed to increase student's participation in learning. Duration of the degree programme shall be six semesters distributed in a period of three academic years.

### **2. Course Objectives:**

- Successful Mathematic students of this institute will gain lifelong skills, including following:
- To develop their mathematical knowledge and oral, written and practical skills in a way which encourages confidence and provides satisfaction and enjoyment.

The development of their mathematical knowledge.

- Confidence by developing a feel for numbers, patterns and relationships.
- An ability to consider and solve problems and present and interpret results.
- Communication and reason using mathematical concepts.
- To develop an understanding of mathematical principles.
- To develop the abilities to reason logically, to classify, to generalize and to prove.
- To acquire a foundation appropriate to their further study of mathematics and of other disciplines.

### **3. Advantages of the Course:**

- Student will be getting highly motivated for higher studies in reputed institutes like IIT's , NIIT's, IISc's, CMI, HRI etc...

### **B. Sc. – I [Mathematics]**

#### **Differential Calculus-I :**

- It is used in almost all branches of engineering, deals with rate of change, the concept of differentiation, concept of Integration, applications of differentiation include measuring velocity, acceleration, etc. Applications of Integration include estimating areas, volumes, etc.

#### **Algebra and trigonometry-II:**

- Understanding of operations on matrices
- Understanding the concept of inverse of a matrix
- Matrices are used in solving linear equations.
- Linear equations are vital for solving any differential equations
- Many areas of Numerical analysis depend upon linear equations.
- Specific fields of applications are computer graphics, Cryptography etc.

#### **Integral Calculus-III**

- Different types of bounded integrable functions.
- Fundamental Theorem of Integral Calculus
- To solve Improper Integral with finite and unbounded range.
- Beta and Gamma functions as a application of Improper Integral.
- learn integration through infinite sum.
- They can solve improper integral of any kind using the known methods

- Applications of fundamental theorem of calculus
- Solving beta and gamma functions

### **Geometry-IV:**

- Understanding the concept of distance between two points
- Understanding the concept of slope
- Understanding the change of origin and change of scale.
- Learn various forms of straight lines.
- Learn about various conic sections. • It is used in Mechanics and Astronomy.

### **Mathematics Practical Using Matlab -V**

- Introduction of Matlab
- Plotting of Graphs
- Students can learn basic matlab commands. Students can plot 2D /3D graphics

### **B. Sc. – II**

#### **[Mathematics] Real**

#### **AnalysisI -VI :**

- Definition of Sequence and it's properties
- Algebra of limit of a sequence
- Bolzano-Weierstrass theorem and Cauchy's criterion for convergence
- Infinite Series and Absolute Convergence
- Know the definition of the limit of a sequence, evaluate the limits of a wide class of real sequences;
- Decide on convergence or divergence of a wide class of series;
- determine whether or not real series are convergent by comparison with standard series or using the Ratio Test;
- Understand the concept of Absolute convergence and be familiar with the statements and
- Some proofs of the standard results about Absolute convergence;

## **Group Theory-VII ;**

- Definition and examples of groups
- Subgroups, Normal Subgroup, Quotient Group, Homomorphism, Isomorphism
- Cayley and Lagrange theorem
- To understand the concept of groups.
- To learn homomorphism and isomorphism.
- To learn group codes and how to uncode.
- Categorize group structures
- Find quotient group, subgroups of a given group
- Analyze group structure from its order

## **Ordinary Differential Equations-VIII;**

- Concepts of ODE And PDE
- Linear equations with constant coefficients
- Rules for finding Complementary function and Particular integral
- Linear equations with variable coefficients Obtain general solutions to first-order, second-order, and higher-order homogeneous and non-homogeneous differential equations by manual and technology-based methods.
- Identify and apply initial and boundary values to find particular solutions to first-order, second-order, and higher order homogeneous and non-homogeneous differential equations by manual and technology-based methods, and analyze and interpret the results.
- Select and apply appropriate methods to solve differential equations; these methods will include, but are not limited to, undetermined coefficients, variation of parameters.

## **Real AnalysisII-IX:**

- It is a branch of pure mathematics.
- It is useful and Statistics, Probability, Operations Research, etc.

- To study sequences.
- To study series of real functions.
- To know the Fourier series.
- To study half range series.

### **Ring Theory-X :**

- Definition and some classes of Rings
- Ideals ,Quotient ring.
- Euclidean rings and their properties.
- Reducibility and irreducibility of polynomial
- Students are able to Analyze classes of rings
- Find quotient structure of quotient ring .
- Learn Euclidean ring and examples

### **Partial Differential Equations-XI :**

- Differential equations are used in Mathematical Modeling.
- Useful for solving many engineering problems.
- To learn about second order differential equations.
- To learn about linear partial differential equations of order one.
- To understand non-linear partial differential equations of order one
- To under partial differential equations with constant coefficients

### **SKILLS FOR B.Sc. (Mathematics) II YEAR –XII To Solve problems from Calculus like Differential equations, Ordinary aswell as Partial, Graphically to realize their. geometrical Interpretations.**

- To handle higher order Matrices.
- To provide with the opportunity to acquire Mathematics to reach it to at least Key Stage UG Level
- To enable us to start the postgraduate basic training of mathematics as it isa requirement of the training of Basic applications of Mathematics
- To improve Students chances of employment.
- Plotting of graphs Overview of graph plotting 2D plots labeling functions fortittle, axis, legends
- Exporting graphs to different file formats.

### **B. Sc. –III [Mathematics]**

### **Metric Space-XIII:**



- Metric, Neighborhood, Limit Point, Open Set, Closed Set.
- Cauchy Sequence, Complete Metric spaces Compactness & Connectedness.
- Weierstrass theorem, Lebesgue Covering lemma, Continuity and Uniform Continuity.

- Deal with various examples of metric spaces;
- have some familiarity with continuous maps;
- work with compact sets in Euclidean space;
- work with completeness and connectedness;
- apply the ideas of metric spaces to other areas of mathematics

### **Linear Algebra-XIV :**

- It is a branch of Algebra.
- It is used in Computer Science, Electrical engineering, etc.
- To learn about vector spaces.
- To understand theorems on basis and dimension.
- To know about eigen values and eigen vectors.
- To study linear transformations.

### **Mechanics I-XV**

- Determination of magnitude and direction
- To understand Triangle law of forces theorem
- To understand Lami's theorem To study the conditions of equilibrium of coplanar forces acting on a rigidbody
- The sum of the vector moments of two like parallel forces

### **Numerical Analysis-XVI:**

- It is a branch of numerical analysis
- It is used for solving a system of equations and used in all branches of engineering.
- To solve a system of linear equations.
- To learn numerical differentiation and integration.
- To learn about interpolation polynomials.
- To apply numerical methods for differential equations.

### **Laplace Transforms-XVII:**

- To know Method of changing equations from one form to another easier form

- It is used to solve both ordinary and partial differential equations.
- Applications are in all branches of engineering.
- To learn properties of Laplace transforms.

- To learn properties of inverse Laplace transforms.
- To learn about integral equations
- To learn about Fourier transforms.

### **Mechanics –II (Dynamics)-XVIII**

- To learn kinematics and Dynamics of a particle in two dimension
- Introduction of Newtons law of motion
- To study Kinetics of a particle
- To learn motion of a projectile and motion in resisting medium
- To study impact of two bodies

## **4)MICROBIOLOGY**

### **B.SC FY**

#### **CCMB- paper I: Introductory Microbiology**

Through out this course, considerable emphasis is laid on the medical and general aspects of

Microbiology including:

1. Identification of bacteria, viruses & fungi
2. Morphology.
3. Cultural characters.
4. Biochemical activities.

Get an brief description about the historical events in microbiology

- Students can understand the microbial diversity in microbiology, future scope of Microbiology, taxonomic classification of microorganisms

### **CCMB-I: PAPER II Microbiological Technique**

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- students are able to Know parts of microscope, type and its principle, Get the theoretical concepts of related stain.
- Students can Understand different methods of staining techniques, sterilization techniques, bacterial cultivation and maintenance

### **CCMB-II: PAPER III Basic Microbiology and Biomolecules**

- students are able to Study the ultra structure of bacterial cell, bacterial and viral pathogens, classification of various biomolecules, biological significance of various biomolecules, detail about informational and functional biomolecules

### **CCMB-II: PAPER IV Microbial Physiology**

- students are able to understand concepts of growth and reproduction of bacteria, nutritional classification of bacteria on basis of carbon and energy source, structural detail of bacterial sporulation, various types of permeation

## **B.SC SY**

### **CCMB-III: PAPER VI Applied Microbiology**

students are able to Know the composition of air, pollution of air by microorganisms, Control of microorganisms in air.

- Students can Understand the water microbiology and water borne diseases, microbiology of sewage and its treatment, milk microbiology and application of microorganisms in dairy industries

### **CCMB III: PAPER VII Immunology**

- students are able to study types and sources of infection and aggressive factors of pathogens, antigens, antibodies
- students can understand mechanism and application of agglutination, precipitation, complement fixation and ELISA test, classification of hypersensitivity on the basis of time.

### **CCMB: IV PAPER VIII Food, soil and microbial**

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## **ecology**

- students are able to know the composition of food and its contamination, factors affecting the type and no. of microorganisms in food contamination
- students can Understand the composition and significance of microorganisms in soil, nitrogen, sulphur, phosphorus cycle, associations like symbiosis, mutualism and parasitism

## **CCMB: IV PAPER IX Medical Microbiology**

- students are able to know about bacterial diseases like cholera, typhoid ,diphtheria and pulmonary tuberculosis, viral diseases AIDS, Hepatitis A and B,the parasitic diseases like malaria, the fungal disease candidios B.SC TY

## **SEMESTER V: PAPER XII Microbial Genetics**

- students are able to understand Concept of central dogma of molecular biology, Process of DNA replication transcription, translation, genes and chromosome, Various method used for genetic recombination

## **SEMESTER V: PAPER XIII Microbial Metabolism**

- students are able to understand Concept of bioenergetics, Anabolism and catabolism with examples, Laws of thermodynamics, various pathways of microbial fermentation

## **SEMESTER VI: PAPER XIV Molecular Biology**

- students are able to understand Concept of gene regulation, Principals and applications of various molecular techniques, Concept, methods and application of r-DNA technology, Gene library and gene mapping

## **SEMESTER VI: PAPER XV Industrial Microbiology**

- students are able to understand Principals in upstream process in fermentation industries, Design and application of bioreactor, Downstream processing and recovery, Production of few microbial products

## **COURSE OUTCOME OF PRACTICAL COURSE IN MICROBIOLOGY**

**CCMBP-I: Practical paper (P-V)**

**(B.SC FY)**

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- students are Aware of screening of bacteria and sterilization techniques
- students can Understand principle of microbiology laboratory equipments, Implement various staining techniques, various techniques for isolation of bacteria from mixed culture
- 

**CCMBP: II Practical paper X (based on CCMB III AND IV) (B.SC SY)**

- students are able to Bacteriological examination of air, water and foods, Differentiation between fecal and non fecal coliforms by IMVIC test, Isolation and study of rhizobium species from root nodules of leguminous plants, Bacteriological study of food by DMC metho

**CCMBP: III Practical paper XI (based on CCMB III AND IV) (B.SC SY)**

- students learnt about Isolate and identify microorganism from laboratory sample, Perform MIC of antibiotics, ELISA test for disease diagnosi, Immuno-diffusion techniques, Blood grouping, RBC,WBC, WIDAL AND RPR TEST

**PAPER NO: XVI Practical paper XI (based on XII and XIV ) (B.SC TY)**

- 1) students can understand about Techniques used in industries –Citric acid fermentation, UV-survival curve, Enzyme production and determination of its activity, Validation techniques of instruments and immobilization process

**PAPER NO: XVII Practical paper XI (based on XII and XIV ) (B.SC TY)**

- students can define Techniques used in industrial production of alcohol, Phenol coefficient test, Evaluation of sterilization techniques, Primary screening of antibiotic, amylase, organic acid producers

**5) PHYSICS**

The semester and CGPA pattern has been adopted in 2014. Now the university is going one step ahead to adopt and implement the Choice Based Credit Program course and specific outcomes BA,BCOM.BSC-20019-20-Nutan

System (CBCS) semester pattern to Undergraduate program run by various colleges affiliated SRTM University, Nanded. As per the initiatives led by University the syllabi of B. Sc. Physics (CBCS Semester Pattern) has been finalized and effectively implemented from academic year June, 2016. The Syllabi is framed as per the guidelines given in the UGC and SRTMU CBCS Semester pattern.

## **First Year Semester I**

### **Paper I: Mechanics and Properties of Matter**

1. students are able to understand some basic concept of Laws of Motions, Newton's Laws of Gravitation, Kepler's laws of Planetary Motion, Determination of surface tension by Jaeger's Method, Ferguson Method, Coefficient of Viscosity, Poiseuille's equation for the flow of liquid through a tube, Bulk Modulus, Modulus of Rigidity and Young's modulus. Determination of  $Y$  by bending of beam.

### **Paper II: Mathematical Methods in Physics**

1. students are able to Understand theoretical and mathematical knowledge essential for Physics, Finding solutions of various equations in Physical phenomenon, Understand complex algebra and graphical representation of it.
2. Students are able to Solve the fourier series and Fourier series analysis for Square wave, Half wave Rectifier.
- 3.

## **Semester II**

### **Paper III: Heat and Thermodynamics**

students are able to Understand Transport Phenomena, Viscosity of Gases, Thermal Conductivity of Gases, Low Temperature Physics, properties of matter near critical point, Laws of thermodynamics and its relation between them.

1. Students can define the laws of radiation such as Planck's law, Wien's law, Rayleigh- Jeans Law and Stefan Boltzmann law

### **Paper IV: Electricity and Magnetism**

1. students are able to Understand basic concepts of Current, Voltage, Resistance, Electricity. LCR circuits and their uses, Determination of self inductance and mutual inductance in a solenoid.
2. Students are clear about Plotting the  $B-H$  curve magnetometer method

and apply damping correction in ballistic Galvnometer, Biot and savart's law and its applications.

### **Paper V: Practical's based on SEM I and SEM II**

1. The lab work included theory based practical to develop the skill and create interest of the students in the subject physics.
2. Students can verify some physics laws in the Lab.
3. The introduction of Sci Lab is introduced in the practical course work to upgrade the computer knowledge
4. It develops the skill to solve the various mathematical problems using Sci Lab.

### **COURSE OUTCOME OF B.SC SY**

#### **Semester III**

### **Paper VI: Waves and Oscillations**

1. students are able to understand waves and its differential equation, Analytical treatment of stationary waves and energy
2. students are clear in concepts of Free Vibrations, Forced Vibrations, Derivation of Sabine's formula for Acoustics and Ultrasonics

### **Paper VII: Statistical physics, Electromagnetic Theory and Relativity**

1. students are able to understand Basic concepts of probability , probability and frequency, Micro and Macro states, Thermodynamic probability, Entropy, Derivation and application of M. B., B.E. and F. D

Distribution law, Derivation of Maxwell's Equations and wave equation,  
Theory of Relativity and derivation of  $E=mc^2$

**SE**

**CI**

1. students are able to Handle voltmeter, Ammeter and Multimeter, Working principles of basic voltmeter, Ammeter and Multimeter.
2. Students can construct voltmeter, Ammeter, take Measurement of resistance using colour code and analogue multimeter and digital Multimeter.

## **Semester IV**

### **Paper VIII: Optics and Lasers**

1. students are able to understand the Geometrical Optics, Determination of wavelength of Sodium light using Newton's Ring, Michelson Interferometer. Fraunhofer's diffraction, Polarization and Laurent's half shade polarimeter, Laser properties and He-Ne laser and diode laser.

### **Paper IX: Basic Electronics**

1. students are able to Construct and work Regulated Power supply and short circuit protection, Characteristics of CB,CE,CC Connections and analysis of CE amplifier using h parameters, Operational Amplifier and its ideal characteristics, Construction and working of Sinusoidal Oscillators

**SEC**

**II**

1. students are able to Study of full wave rectifier, Zener diode voltage regulator, performance of single stage CE amplifier.



### **Practical Paper P-X: *Practical's based on P-VI & P-VIII***

1. The lab work included theory based practical to develop the skill of practical
2. Develops interest in the subject physics.
3. Students can verify the theoretical Knowledge of physics in the Lab.

### **Practical Paper P-XI: *Practical's based on P-VII & P-IX*** The lab work included theory based practical to develop the skill of practical

1. Develops transistorized CE amplifier.
2. Students can make regulated power supply using different components .

## **COURSE OUTCOME OF B.SC Ty**

### **Semester V**

#### **Paper XII: Quantum Mechanics**

1. students are able to Understand photoelectric, Compton effect and Heisenberg's Uncertainty principle, Derivation of time dependent and Time independent Schrodinger's equation.
2. Students know the Application of quantum mechanics when particle in 1-D and 3-D box, Schrodinger's equation to Hydrogen atom.

#### **Paper XIII: Solid state Physics**

students are able to explain concepts of different types crystal structures, different types bonding in solids, Thermal Properties of solids using Einstein's and Debye's theory, Free electron theory of metal using Drude- Lorentz theory.

### **Semester VI**

#### **Paper XIV: Atomic Molecular and Nuclear Physics**

1. students are able to derive and understand Zeeman and Anomalous Zeeman effect, Theoretical Explanation of rotational and vibration – rotation spectra, Nuclear fission reaction and their kinematics, Nuclear reactions will act as a source of energy.

## **Paper XV: Digital and Communication Electronics**

1. students are able to understand different types number systems and their algebra, Different types logic gates constructions and working, Working of modulation and demodulation, Description of communication electronics.

## **Paper XVI:**

1. Students are able to do work included theory based practical to develop the skill of practical.
2. Students can verify the theoretical Knowledge of physics in the Lab.Paper XVII-A:
  1. students are able to do The lab work included theory based practical to develop the skill of practical, develop interest in the subject physics.
  2. Students can verify the theoretical Knowledge of Digital electronics in the Lab.
  3. Students can construct the universal gate properties.

## **6)ZOOLOGY**

### **B.Sc. 1st Semester**

**Subject :Life and diversity of Animals -I (Non Chordate) -ILearning objectives**

1. students are able to understand the animal kingdom, the taxonomic position of protozoa to helminthes, the general characteristics of animals belonging to protozoa to Echinodermata, the body organization of phylum from protozoa to Echinodermata, origin and evolutionary relationship of different phylum from protozoa to Echinodermata.
2. Students can understand the various internal systems like Digestive system, nervous system with the help of charts, functions of Gemmules and spicules, economical importance of Molluscan shells, classification of whole phyla includes in Non chordates with the help of charts/models/pictures, evolutionary history of Non chordates.

### **Learning outcomes**

1. Student should be able to describe unique characters of protozoa to Echinodermata , recognize life functions of protozoa to Echinodermata, recognize the ecological role of phylum protozoa to Echinodermata, recognize the diversity from protozoa to Echinodermata.

Program course and specific outcomes BA,BCOM.BSC-20019-20-Nutan

**Mahavidyalay, selu**

## **B.Sc 1st Semester**

### **Subject : Cell**

### **Biology -II**

### **Learning**

### **Objectives**

1. students are able to understand the structures and purposes of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes, and organelles
2. students can understand how these cellular components are used to generate and utilize energy in cells, cellular components underlying mitotic cell division, responses to environmental or physiological changes, or alterations of cell function brought about by mutation, process of cell division in both somatic and germ cell.

### **Learning Outcomes**

1. students are able to Describe the function and the composition of the plasma membrane, principles of the cell theory, Difference between prokaryotes and eukaryotes.
2. students can understand the importance of the nucleus and its components, the endoplasmic reticulum and Golgi apparatus interact with one another and know with which other organelles they are associated, Identify the three primary components of the cell's cytoskeleton and how they affect cell shape, function, and movement.

## **B.Sc FY Semester \_II**

### **Subject : Life and diversity of Animals II (Chordate) -**

### **III Learning Objectives**

1. students can understand the chordates, different categories of chordates, general characters of chordates, level of organization in chordate subphylum.
2. Students are able to understand the origin and evolutionary relationship in different subphylum of chordates, Systematic position and external morphology of *Rattus rattus*.
3. Students can study the various systems like Digestive systems, Scales, Fins, Aerial adaptation and Dental formula, Classification various classes of phylum Chordate i.e. Pisces, Reptiles, Aves and Mammals.

**Learning outcomes Student should be able to describe unique characters of urochordates, cephalochordates and fishes.**

1. Student should be able to recognize life functions of urochordates to fishes, ecological role of different groups of chordates, diversity of chordates.

**B.Sc FY Semester \_II**

**Subject : Developmental Biology -**

**IV Learning objectives**

1. students are able to understand how organisms maintain gametic population, fertilization process, way of cleavage and different patterns to form zygote, fundamental embryonic development, complete process of formation of germ layers.

**Learning outcomes**

- 1) students are able to list the types of characteristics that make an organism ideal for the study of developmental biology, familiar with the events that lead up to fertilization.
- 2) Students can describe the first four rounds of cell division in different groups, stages and cellular mechanisms for gastrulation, difference between specification and determination.

**B.Sc.S.Y. III<sup>ed</sup>**

**Semester Subject:**

**Genetics -VI**

**Learning objectives**

1. Students can understand the behavior of chromosomes during meiosis can explain Mendel's law, inheritance patterns are affected by position on chromosomes, the similarities and differences between how genetic information is passed on in prokaryotes and eukaryotes, gene interactions, chemical nature of heredity.

**Learning outcomes**

1. students have Comprehensive and detailed understanding of the chemical basis of heredity.
2. Students have understanding about the role of genetics in evolution, evaluate conclusions that are based on genetic data, understand results of genetic experimentation in animals.

## **B.Sc.S.Y. III<sup>ed</sup> Semester**

**Subject : Comparative Anatomy and Physiology-**

### **VIII Learning objectives**

1. students can understand the metabolic activities in mammalian body, various biomolecules in body, structural chemistry of proteins, carbohydrates, fats, functions of biomolecules in body. Secretion, process of digestion.

### **Learning outcomes**

1. Students are able to understand the physiology at cellular and system levels .
2. Students are able to describe the role and functions of different biomolecules, describe the physiology of digestion, mammalian body get nutrition from different biomolecules.

## **B.Sc.S.Y. IV Semester**

**Subject : Genetic Engineering and Evolution-VIII**

- 1) students are able to understand the cell biology and molecular biology, various cell types and cell divisions, structure and function of the cells, cell signaling.
- 2) Students are aware for Cancer.
- 3) Students are able to understand the Tools and Techniques in Molecular Biology, the term ELISA technique and DNA finger printing, various Applications of Biotechnology, the Hybridoma technology as well as Enzyme biotechnology, DNA Recombinant technology.
- 4) Students are clear about the concept of the industrial and environmental biotechnology, Stem cell biotechnology, Scope and Significance of Biotechnology.
- 5) Students can understand the principles and methods of taxonomy, Levels of structural organization, the Outline classification of Animals :Classification of animals, and the Natural history of Indian subcontinent.

## **B.Sc.S.Y. IV Semester**

**Subject : Endocrinology ,Histology and Biochemistry –IX**

- 3) students are able to understand the reproductive system, Endocrine system and Mechanism of hormone action, Integumentary system i.e. Structure of skin.
- 4) Students can understand the Sensory physiology i.e.sensory coding, chemoreception, Mechano reception, Mechano transduction, mechanoreceptors, support and location means their properties, the skeleton joints, physiology of movements.
- 5) Students are able to understand the respiratory system and Respiratory pigments, the process of Temperature regulation, the terms Histology and Physiology, cell, tissue, organ, system and organisms, derivatives of skin- horns, nails, hairs.
- 6) Students can understand the Basics of Biochemistry and Chemistry of biomolecules and their significance, Protein structure i.e. Primary, Secondary, Tertiary and Quaternary, chemistry of hormones, structure and properties of the enzymes as well as its activity.
- 7) Students can understand the structure and function of carbohydrate, amino acids, proteins, and lipids, concept of Enzymes and also Vitamins and minerals, Principle role of Vitamins in metabolism and Deficiency diseases

## **B.Sc.T.Y. V Semester**

**Subject : ECOLOGY AND ZOOGEOGRAPHY –XII**

### **Learning objectives**

1. students can describe the interaction between organisms and environment, theory of natural selection, species evolve,
2. students can understand the exchange of nutrients within the ecosystem, population dynamics, Aquatic environment like Lotic habitat and Lentic habitat, Physical conditions of water: Depth, Viscosity, Density, Buoyancy. Students can understand the chemical conditions of water: dissolved oxygen and carbon-di-oxide, hardness etc., Geological time scale, aware about the Palaeontology ie. Fossils and its significance, Zoogeographical realm.

### **Learning outcomes**

1. Students are able to describe the relation between abiotic and biotic factors.

2. Students are able to describe various biological interactions.
3. Students are able to understand how change in population affect the ecosystem, evolutionary history of man, origin of species on earth.

### **B.Sc.T.Y. V Semester**

#### **Subject : Aquaculture – XIII(A) Learning objectives**

Aquaculture and mentioned some of the reasons which have contributed to imparting a fillip to aquaculture in recent times, it is proper to state the objectives of aquaculture. These are:

1. Production of protein rich, nutritive, palatable and easily digestible human food benefiting the whole society through plentiful food supplies at low or reasonable cost.
2. Providing new species and strengthening stocks of existing fish in natural and man-made water-bodies through artificial recruitment and transplantation.
3. Production of sportfish and support to recreational fishing.
4. Production of bait-fish for commercial and sport fishery.
5. Production of ornamental fish for aesthetic appeal.
6. Recycling of organic waste of human and livestock origin.
7. Land and aquatic resource utilization: this constitutes the macro-economic point of view benefiting the whole society. It involves (a) maximum resource allocation to aquaculture and its optimal utilization; (b) increasing standard of living by maximising profitability; and (c) creation of production surplus for export (earning foreign exchange especially important to most developing countries).
8. Providing means of sustenance and earning livelihood and monetary profit through commercial and industrial aquaculture. This constitutes the micro-economic point of view benefiting the producer. In the case of small-scale producer, the objective is to maximise income by greatest possible difference between income and production cost and, in the case of large scale producer, by maximising return on investment.
9. Production of industrial fish.

## **Learning outcomes**

1. Students learnt about the role of the Fisheries Management Authority, importance of sustainable fishing and protecting the marine environment, freshwater or saltwater fish species, fish adapt or change to better survive their environment, culture, mollusk culture.

## **B.Sc.T.Y. VI Semester**

**Subject : ETHOLOGY, BIOMETRY AND BIOINFORMATICS –XIV**

## **Learning objectives**

1. Principles of ethology
2. Domestication: the process and its effects on behaviour
3. Ethology of domestic companion animals, including perceptual abilities, communication, maintenance and social behavior  
Behavioural ontogeny; to include sensitive periods, socialisation and attachment
4. The interactions between biological and evolutionary influences and the domestic environment, and their role in behavioural disorders
5. Interactions between animals and man, to include the role of animals in human society and artificial selection



## **Learning outcomes**

1. Skills in the objective observation and recording of animal behaviour
2. Skills in management and use of information

### Environment study

- Student became well aware about the environment and surrounding geography.
- Students got the knowledge of natural sources, its limitation.
- Students have started to take care of natural resources properly.
- Students got knowledge about various types of pollutions and remedies to overcome the problems of pollutions.
- Students are made aware on the global warming and its impact on the lives of planet earth.