



"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"- शिक्षणमहर्षी डॉ.बापूजी साळुंखे
SHRI SWAMI VIVEKANAND SHIKSHAN SANSTHA, KOLHAPUR'S
Smt. Meenalben Mehta College, Panchgani

(Arts, Commerce & Science) Tal. Mahabaleshwar, Dist.Satara.412805 (M.S.)



श्रीमती मीनलबेन महेता कॉलेज, पांचगणी
(कला, वाणिज्य व विज्ञान) ता. महाबळेश्वर, जि. सातारा.

Estd : June 1990

NACC Reaccreditation : "B" Grade

AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR

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Shikshanmaharshi Dr. Bapuji Salunkhe
B.A ; B.T ; D.Lit.

President

Hon.Chandrakant (Dada) Patil
M.L.A., Ex. Revenue Minister,
Maharashtra State

Chairman

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M.A.

Secretary

Hon.Prin. Mrs.Shubhangi Gavade
; M.Sc B.Ed.

I/C Principal

Prof. Dr. Satish Desai
M.A ; Ph.D.

Outword No. : SMMCP /...../.....

Date:

2.6 – Student Performance and Learning Outcomes

2.6.1-Programme Outcomes (Pos) and Course Outcomes (Cos) (2022- 2023)





Smt. Meenalben Mehta College, Panchgani
Department of English
2022-23

Aims and Objectives:

1. To require the linguistic competence necessarily required in various life situations.
2. To enable students understand grammatical structures and their meaning.
3. To help them understand grammatical structures in written and spoken form.
4. To enable them understand the importance of English grammar in various competitive exams.

Course Outcomes: - After the completion of the course the students are able to:

1. B. A. I – Compulsory English

- Use communication skills in English.
- Know human values through poems and prose.

2. B. A. I. Modern Indian Writing in English Translation (Paper I/II)

- Understand the translated Modern Indian literature in English.

3. B. A. II. Compulsory English

- Apply language skills used in both oral and written English.
- Cultivate a broad human and cultured outlook.

4. B. A. II. Literature and Cinema (Paper III/V)

- Elaborate critical approaches to engage with film adaptations.
- Understand clearly literature through film adaptations of literary texts.

5. B. A. II. Partition Literature (Paper IV/VI)

- Recognize partition scenario with hidden human dimensions of the partition.
- Elaborate the impact of partition on society through literary texts.

6. B. A. III Compulsory English

- Communicate in English, in their day-to-day lives as well as at workplaces.
- Acquire soft skills required in real life.
- Learn to appreciate and enjoy reading poetry and prose passages.

7. B. A. III. Introduction to Literary Criticism (Paper VII/XII)

- Know the major trends, concepts and various literary movements.
- Write critical appreciation of poetry.

8. B. A. III. English Poetry (Paper VIII/XIII)

- Understand poetry from various cultures and traditions.
- Experience intellectual, moral and linguistic pleasures.

9. B. A. III English Drama (Paper IX/XIV)

- Define the elements and forms of drama like comedy, tragedy or problem plays.
- Identify dramatic aspects such as conflict, climax, and characters in plays.



10. B. A. III Novel in English (Paper X/XV)

- Interpret novel as a form of literature with its types like realistic, campus, science fiction and trans-fiction.
- Analyze plot, setting and point of view of novels.

11. Language and Linguistics (Paper XI/XVI)

- Use aspects of phonology like speech mechanism and organs of Speech in communication.
- Perform the morphological analysis of words
- Identify form, function and types of words, phrases and clauses,

12. B. Com. I English for Business Communication

- Use language skills and basic units of grammar.
- Acquire business competence.

13. B. Com. II English for Business Communication

- Communicate in English used in the various businesses and strengthen the employability skills.

14. B. Sc. I English for Communication

- Make use of English in specific fields like advertising, social media and science.

15. B. Sc. III English for Communication

- Utilize language skills in personal as well as business communication.
- Contribute to the welfare of humanity in life.


Head,
Department of English,
Smt. Meenalben Mehta College- Panchgani


Prin. Dr. Satish Desai
I/C PRINCIPAL
Smt. Meenalben Mehta College, Panchgani
(Arts, Commerce & Science)
Tal. Mahabaleshwar, Dist. Satara



Smt. Meenalben Mehta College, Panchgani

Department of English

2022-23

Programme Outcomes

After the completion of B. A. the students are able to:

1. Understand the history of English language and literature.
2. Differentiate the various literary forms like a novel, drama, poetry and short story.
3. Possess a rich vocabulary and communicate in English effectively.
4. Interpret and appreciate English language and literary texts.
5. Inculcate human values and aesthetic sense in his life as well as society.
6. Make use of the four language skills i.e. Reading, Listening, Speaking, and Writing.

Head,

Department of English,
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"Education for Knowledge, Science & Refined Culture"

-Shikshanmarshi Dr. Bapuji Saunkhe

Shri Swami Vivekanand Shikshan Sansta Kolhapur's

Smt. Meenalben Mehta College, Panchgani

Department of Hindi (2022-23)

Programmes Specific Outcomes (PSO's) & Course Outcomes (CO's)

Hindi U.G.PROGRAM OUTCOME

I. PROGRAM OUTCOME OF BACHELOR OF ARTS (B.A.)

Student seeking admission for B.A. programme are expected to imbue with following quality which help them in their future life to achieve the expected goals.

- Realization of human values.
- Sense of social service.
- Responsible and dutiful citizen.
- Critical temper
- Creative ability.

Programmes Specific Outcomes (PSO's)

- Developing reading, writing, speaking and listening skills.
- Availing the job opportunities in translation.
- Increasing the critical attitude about literary writing.
- Creating an interest in literature.
- Imbuing the literary research attitude.

Course Outcomes (CO's)

B.A. I Paper No I and II (हिंदी कविता और हिंदी गद्य साहित्य)

- आधुनिक हिंदी पद्य साहित्य का परिचय देना |
- आधुनिक हिंदी गद्य साहित्य के विविध विधाओं का परिचय देना |

B.A. II Paper No III and V (अस्मितामूलक विमर्श और हिंदी गद्य सहित्य , रोजगार परक हिंदी)

- आधुनिक हिंदी गद्य के कथा और कथेतर साहित्य का परिचय देना |
- आधुनिक हिंदी रोजगार उन्मुख शिक्षा और कौशल का परिचय देना |

B.A. II Paper No IV and VI (हिंदी संतकाव्य और राष्ट्रीय काव्यधारा , अस्मितामूलक विमर्श और हिंदी पद्य सहित्य)

1. मध्यकालीन संत साहित्य और राष्ट्रीय काव्य का परिचय देना |
2. आधुनिक हिंदी कवियों का परिचय देना |

B.A. III Paper No VII and XII (विधा विशेष का अध्ययन)

1. आधुनिक हिंदी उपन्यास साहित्य का परिचय देना |
2. आधुनिक हिंदी आत्मकथा साहित्य का परिचय देना |

B.A. III Paper No VIII and XIII(साहित्यशास्त्र)

1. साहित्य के विभिन्न अंगों का परिचय देना |
2. भारतीय एवं पाश्चात्य समीक्षा सिद्धांत का परिचय देना |

B.A. III Paper No IX and IVX (हिंदी साहित्य का इतिहास)

1. हिंदी साहित्य के आदिकाल, भक्तिकाल का परिचय देना |
2. हिंदी साहित्य के रीतीकाल, आधुनिक का परिचय देना |

B.A. III Paper No X and XV (प्रयोजनमूलक हिंदी)

1. पारिभाषिक शब्दावली का परिचय देना |
2. जनसंचार इलेक्ट्रॉनिक माध्यमों का परिचय देना |

B.A. III Paper No XI and XVI (भाषा विज्ञान एवं हिंदी विज्ञान एवं हिंदी भाषा)

1. भाषा के उत्पत्ति विषयक विविध सिद्धांतों का परिचय देना |
2. भाषाविज्ञान के प्रधान अंगों का परिचय देना |



Head,
Department of Hindi,
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-शिक्षणमहर्षी डॉ. वापूजी साळुंखे
श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूर



श्रीमती मीनलबेन महेता कॉलेज, पांचगणी .

Department of Marathi

COURSE OUT COMES

(२०२२ - २०२३)

B.A.I Marathi (Comp.) CGE-I Sem. I Paper- A (शब्दसंहिता)

१. मराठी भाषा व साहित्याविषयी अभिरुची विकसीत करून घेणे.
२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून घेणे.
३. मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.
४. व्यक्तिमत्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी कशी करावी याविषयी आकलन करून घेणे.
५. निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित करणे.

B.A.I Marathi (Comp.) / CGE 2 Sem. II Paper- B (शब्दसंहिता)

१. मराठी भाषा व साहित्याविषयी अभिरुची विकसीत करून घेणे.
२. मराठी साहित्य परंपरा, लेखक, कवी यांचा परिचय करून घेणे.
३. मातृभाषा, राष्ट्रीय एकात्मता आणि मानवी मूल्यांविषयी जाणीव निर्माण करणे.
४. व्यक्तिमत्व विकास घडवून विविध परीक्षा आणि स्पर्धा परीक्षांची पूर्वतयारी कशी याविषयी आकलन करून घेणे.
५. निबंधलेखनाच्या माध्यमातून भाषा उपयोजनाची कौशल्ये विकसित करणे.

B.A.I Marathi (Opt.) DSC-A1 Sem. I Paper-1 (अक्षरबंध)

१. मराठी भाषा आणि साहित्याविषयी अभिरुची विकसित करून घेणे.
२. मराठी साहित्यातील परंपरा, लेखक, कवी इत्यादींची ओळख करून घेणे.
३. मातृभाषा, राष्ट्रीय एकात्मता आणि उच्च मानवी मूल्यांविषयी जाणीव निर्माण करणे.
४. व्यक्तिमत्व विकास होण्याबरोबरच स्पर्धात्मक परीक्षांची पूर्वतयारी करणे.
५. चित्रपट आणि प्रसारमाध्यमे यांच्या लेखन आणि उपयोजनाचा अवकाश याविषयी आकलन करून घेणे.



B.A.II Marathi (Opt.) DSC-C26 Sem. VI Paper-6

पाठ्यपुस्तक- जुगाड (कादंबरी)

१. कादंबरी वाङ्मयप्रकाराची ओळख करून घेणे.
२. समकालीन कादंबरीतील नव्या अवकाशाचा शोध घेऊन अधुनिकतेमधील आंतरविरोध समजून घेणे.
३. मानवी मूल्यांविषयी माहिती करून घेणे.
४. कादंबरी लेखनाचे विषेश समजून घेणे.
५. वृत्तांत लेखन कौशल्ये रुजविणे.

B.A.III Marathi Semi-V Paper No.7 (साहित्यविचार)

१. पौर्वात्य, पाश्चात्य व आधुनिक भारतीय साहित्यशास्त्राची माहिती करून घेणे.
२. ललित व ललितेतर साहित्याचे स्वरूप समजून घेणे.
३. साहित्याची लक्षणे आणि प्रयोजन आकलन करून घेणे.
३. साहित्याची निर्मितीप्रक्रिया आणि स्वरूपाची माहिती घेणे.
४. प्रतिभा शक्तीची ओळख करून घेणे.
५. अलंकाराचे स्वरूप व महत्त्व आकलन करून घेणे.

B.A.III Marathi Semi-VI Paper No. 13 (साहित्यविचार)

१. शब्दशक्तीचे स्वरूप व प्रकारांचे आकलन करून घेणे.
२. साहित्यातील रसप्रक्रियेचे स्वरूप घेणे.
३. साहित्याची आस्वाद प्रक्रिया समजून घेणे.
४. साहित्यनिर्मितीमधील आस्वादाच्या आनंदाची मीमांसा आकलन करून घेणे.
५. वाङ्मयीन दृष्टीकोण विकसित करणे.

B.A.III Marathi Semi-V Paper No. 8 (मराठी भाषा आणि भाषाविज्ञान)

१. आधुनिक भाषाविज्ञानाचा परिचय करून घेणे.
२. भाषाविज्ञान आणि मराठी भाषा यांचा संबंध जाणून घेणे.
३. भाषेची उत्पत्ती, स्वरूप व कार्य समजून घेणे.
४. ध्वनिपरिवर्तनाची कारणे व प्रकाराची माहिती करून घेणे.
५. मराठी भाषेची वर्णव्यवस्था समजून घेणे.
६. मराठी भाषेबद्दल विद्यार्थ्यांमध्ये आवड विकसित करणे.

B.A.III Marathi Semi-VI Paper No. 11 (वाङ्मयप्रवाहाचे अध्ययन : मध्ययुगीन)

१. मध्ययुगीन महाराष्ट्र व महानुभव पंथ यांचा परिचय करून घेणे.
२. महानुभव वाङ्मयाच्या प्रेरणा व स्वरूप समजून घेणे.
३. महानुभव ग्रंथकार केसोबास यांचा परिचय करून घेणे.
४. दृष्टांत पाठातील आशय स्वरूप व अभिव्यक्ती माहिती घेणे.
५. दृष्टांत पाठातील भाषिक वैभवाचा परिचय करून घेणे.

B.A.III Marathi Semi-VI Paper No. 16 (वाङ्मय प्रकाराचे अध्ययन : ललित गद्य)

१. ललित गद्य वाङ्मय प्रकाराचा परिचय करून घेणे.
२. व्यक्तिचित्र संकल्पना व स्वरूप या विषयी माहिती घेणे.
३. प्रवाह अनुरूप मराठीतील व्यक्ती चित्रांचे स्वरूप समजून घेणे.
४. 'मुलखावेगळी माणसं' मधील व्यक्तिविशेष यांचे आकलन करून घेणे.
५. 'मुलखावेगळी माणसं' मधील शैक्षणिक सामाजिक, सांस्कृतिक, राजकीय, पर्यावरण आणि कौटुंबिक भावविश्व याविषयी माहिती करून घेणे.
६. 'मुलखावेगळी माणसं' मधील ग्रामीण व उपेक्षितांच्या जीवनाचे चित्रण, अभिव्यक्ती, निवेदनशैली व भाषाविशेष याची माहिती करून घेणे.


Head,
Department of Marathi,
Smt. Meenaiben Mehta College, Panchgani




प्रभारी प्राचार्य
श्रीमती मीनलबेन मेहता कॉलेज, पांचगणी
(कला, वाणिज्य व विज्ञान)
ता. महाबळेश्वर, जि. सातारा



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”
- शिक्षणमहर्षी डॉ बापूजी साळुंखे
श्री स्वामी विवेकानंद शिक्षण संस्था कोल्हापूर संचलित
श्रीमती मीनलबेन महेता कॉलेज, पाचगणी

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Department of Marathi
2022-23
Program Outcome- B.A. Marathi

After completion of program student will be able to

- 1) Demonstrate knowledge of Marathi literature with all its conceptual terminologies.
- 2) Recognize the use of key concepts and terms in Literary criticism to interpret literary texts.
- 3) Analyze structure of language at different levels (Phonological, morphological, and syntactic)
- 4) Display the skills and abilities for media and publication.

Program Outcome- M.A. Marathi

After completion of program student will be able to

- 1) Demonstrate the critical theories and their Knowledge.
- 2) Show the research attitude and abilities.
- 3) Demonstrate creative impulse in writing works of Literature.
- 4) Apply linguistic knowledge in Marathi.


Head,
Department of Marathi,
Smt. Meenalben Mehta College, Panchgani




प्रभारी प्राचार्य
श्रीमती मीनलबेन महेता कॉलेज, पांचगणी
(कला, वाणिज्य व विज्ञान)
ता. महाबळेश्वर, जि. सातारा

5

Course Learning Outcomes

B.A.I History

(From June 2022)

Paper I: Rise of the Maratha Power

On successful completion of this course students –

After studying the course the students discuss about the history of the rise of Maratha power. Students analyze the life and work of Chhatrapati Shivaji Maharaj and justify the Contribution of Maratha leaders and people to protect freedom and sovereignty of the region. Students compare the contribution of Chh. Sambhaji Maharaj, Chh. Rajaram Maharaj and Maharani Tarabai led the Maratha struggle of independence against the Mughal rule.

Paper II: Polity, Society and Economy under the Marathas (1600-1707)

On successful completion of this course students –

Describe the rapid changes in the history of the Marathas. They discuss about the initiated fundamental changes in the political, socio-economic and cultural life of the people. They assess the administration policy of the Chh. Shivaji Maharaj. Students evaluate the trade and agriculture system in the Maratha period.

B.A.II History

(Introduced from June 2019)

Paper III: History of the Modern Maharashtra (1900-1960)

On successful completion of this course students –

Participate in the discussion about beginnings and growth of nationalist consciousness in Maharashtra and evaluate the contribution of Maharashtra to the national movement. Justify an account of various movements of the peasants, workers, women and backward classes and assess the background and events which led to the formation of separate state of Maharashtra.



Paper V: History of Modern Maharashtra (1960-2000)

On successful completion of this course students –

Assess the contribution of eminent leaders of Maharashtra. They compare the economic transformation of Maharashtra and examine the salient features of change in society and growth of education.

B.A.II History

(Introduced from June 2019)

Paper IV: History of India (1757-1857)

On successful completion of this course students –

Acquaint himself with significant events leading to establishment of the rule of East India Company and inspect the colonial policy adopted by the company to consolidate its rule in India. They discuss about the structural changes initiated by colonial rule in Indian economy. Examine various revolts against rule of the East India Company.

Paper VI: History of Freedom Struggle (1858-1947)

On successful completion of this course students –

Describe the events which lead to the growth of nationalism in India and major events of the freedom struggle under the leadership of Mahatma Gandhi. They compare and contrast the contribution of Revolutionaries, Left Movement and Indian National Army. Examine the concept of communalism and the causes and effects of the partition of India.

B.A.II IDS

(Introduced from June 2019)

Paper I: Social Reforms in India

On successful completion of this course students –

Evaluate the thought and work of Mahatma Phule for radical transformation of Indian Society. Examine the measures taken by Rajashri Shahu Maharaj for emancipation of lower



Classes and Women. Participate in the discussion on the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India. Synthesize the Indian contribution embodies the values of social justice and equality.

Paper II: Social Reforms in Maharashtra

On successful completion of this course students –

Students justify the contribution of women reformers and evaluate the contribution of social reformers in the fight for social justice. Examine the role played by the educational reformers in transformation of society.

B.A.III History

(Syllabus to be implemented from June 2020 onwards)

Semester –V, Course VII DSE E-61

Paper VII: Early India (from beginning to 4th c. Bc.)

Course Learning Outcomes:

On successful completion of this course students –

Describe the transition of humans in India from Hunters to Farmers. Examine the transition from Early to later Vedic period. Clarify the causes for the first and second urbanization. Give an account of the teachings of Gautama Buddha and Vardhaman Mahavir. Describe the rise and growth of the Mauryan Empire. Evaluate the salient features of Ashoka's Dhamma.

B.A.III History

Semester V, Course No: VIII DSE E-62

Paper No. VIII History of Medieval India (1206-1526 AD)

On successful completion of this course students –

Describe the different types of historical sources available for writing the history of medieval India. Compare and contrast the contributions of medieval rulers like Allaudin Khilji,



Muhammad-binTuqhlaq, Krishnadevraya, and Mahmud Gavan. Give an account of the administration and economy of the Delhi sultanate and Vijayanagar Empire. Elucidate the significant developments which took place in religion, society and culture.

B.A. Part III

Semester V, Course No: IX DSE E-63

Paper No. IX Age of Revolutions

On successful completion of this course students –

Assess the causes and consequences of the Reformation. Evaluate the role played by Martin Luther. Examine the salient features of the Industrial revolution. Give an account of the American Revolution. Examine the causes, effects and major events of French Revolution. Evaluate the role of major leaders of the French Revolution.

B.A. Part – III

Semester V, Course No. X DSE E-64

Paper No. X Political History of the Marathas

On successful completion of this course students –

Participate in the discussion about political conditions of the Marathas upto the year 1740. Evaluate the work of Balaji Bajirao. Examine the causes and effects of the Battle of Panipat. Compare the political condition of the Marathas after 1761. Critically analyze the causes for the decline of Maratha power.

B.A. Part III

Semester V, Course No. XI DSE E-65

Paper No. XI History: It's Theory (Field visit to any important historical place, monuments and record offices is essential) sources.

On successful completion of this course students –



Synthesize the definition and scope of the subject of History. Classify the process of acquiring historical data. Participate in the discussion on the process of presenting and writing history. Evaluate the methods of writing history.

SEMESTER VI

B.A. Part III

Semester VI, Course No. XII DSE E-186

Paper No. XII Ancient India (From 4th c. BC to 7th c. AD)

On successful completion of this course students –

Examine the political, economic and religious developments which took place in early historic India. Evaluate the role played by Major Satavahana, Kushana, Gupta and Vakataka Kings. Give an account of the developments in the Post-Gupta period. Have an informed opinion about the society and culture of Ancient India.

B.A. Part III

Semester VI, Course No. XIII DSE E-187

Paper No. XIII History of Medieval India (1526-1707AD)

On successful completion of this course students –

Discuss about the various sources for writing Medieval Indian history. Compare and contrast the role of rulers like Babar, Akbar, Chandbibi and Ibrahim Adilshah II. Gain knowledge about the administrative and revenue system. Describe the condition of Industry and trade. Evaluate important developments in religion, society and culture

B.A. Part III

Semester VI, Course No: XIV. DSE E-188

Paper No. XIV Making of the Modern World (16th to 19th Century)

On successful completion of this course students –



Examine the causes and consequences of the Glorious revolution in England. Discuss the concept of Nationalism and account for its rise and spread. Describe the unification of Italy and Germany. Examine the significance of the Partition of Africa. Evaluate the life and thoughts of important leaders like Metternich, Karl Marx and Abraham Lincoln.

B.A. Part III

Semester VI, Course No. XV DSE E-189

Paper No. XV Polity, Economy and Society under the Marathas

On successful completion of this course students –

Compare the various sources for writing the history of the Marathas. Evaluate the significant developments in the polity of the Marathas. Define the economic conditions. Compare the social conditions in Maratha period.

B.A. Part III

Semester VI, Course No. XVI DSE E-190

Paper No. XVI Methods and Applications of History

On successful completion of this course students –

Assess the nature of archival sources. Gain conceptual clarity about recent trends in history. Classify the application of history in museums. Prioritize the concept and scope of heritage tourism.




Dr. Sunita H. Gitte

Head,
Department of History,
Smt. Meenakshi Mahis College, Panchgani

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Smt. Meenalben Mehta College, Panchgani

Department of Political Science

COURSE OUTCOMES


(2022-23)

Course Outcomes:

The Student Will able to

- CO - 1. Acquire domain Knowledge
- CO - 2. Understand importance of Political Science
- CO - 3. Understand sub disciplines of Political Science
- CO - 4. Understand Concept of State and Democracy
- CO - 5. Understand Key Concept of Political Science


Dr. Ananta Kasture


Dr. Salim Pathan

Head,
Department of Political Science,
Smt. Meenalben Mehta College, Panchgani


Principal
I/C PRINCIPAL
Smt. Meenalben Mehta College, Panchgani
(Arts, Commerce & Science)
Tal. Mahabaleshwar, Dist. Satara.



PROGRAMME OUTCOME OF B.A.

- ❖ Students shall be able to demonstrate thinking skills by analyzing, synthesizing & evaluating historical information from multiple sources.
- ❖ Students will develop the ability to distinguish between fact and fiction while understanding that there is no one historical truth.
- ❖ Students will develop an informed familiarity with multiple cultures.
- ❖ Students will develop an ability to convey verbally their historical knowledge.
- ❖ Students will demonstrate their understanding of cause & effect along with their knowledge of the general chronology of human experience.



History- Program Specific Outcomes

After completion of the program, the students will develop ability:

- Study the history of various countries in the world.
- Study and interpret history objectively.
- Understand the change and impact of the revolutionary events.
- Understand the events of Indian freedom struggle and contribution of the freedom fighters to the making of modern India.
- Realize the role of social reform movements in the development of modern India

Smt
Head,

Department of History,
Smt. Meenalben Mehta College, Panchgani



Course Outcomes

B.A.I History

(From June 2018)

Paper I: Rise of the Maratha Power

After studying the course the student will be able to-

- CO 1. Understand the history of the rise of Maratha power.
- CO 2. Explain the life and work of Chhatrapati Shivaji Maharaj.
- CO 3. Explain the Contribution of Maratha leaders and people to protect freedom and sovereignty of the region.
- CO 4. Understand the contribution of Chh. Sambhaji Maharaj, Chh. Rajaram Maharaj and Maharani Tarabai led the Maratha struggle of independence against the Mughal rule.

Paper II: Polity, Society and Economy under the Marathas (1600-1707)

After studying the course the student will be able to-

- CO 1. Know the rapid changes in the history of the Marathas.
- CO 2. Understand the initiated fundamental changes in the political, socio-economic and cultural life of the people.
- CO 3. Understand the administration policy of the Chh. Shivaji Maharaj.
- CO 4. Know the trade and agriculture system in the Maratha period.



B.A.II History

(Introduced from June 2019)

Paper III: History of the Modern Maharashtra (1900-1960)

After studying the course the student will be able to.....

- CO 1. Understand the beginnings and growth of nationalist consciousness in Maharashtra.
- CO 2. Explain the contribution of Maharashtra to the national movement.
- CO 3. Give an account of various movements of the peasants, workers, women and backward classes.
- CO 4. Know the background and events which led to the formation of separate state of Maharashtra.

Paper V: History of Modern Maharashtra (1960-2000)

After completion of the course, the student will....

- CO 1. Acquaint himself with the contribution of eminent leaders of Maharashtra.
- CO 2. Know about the economic transformation of Maharashtra.
- CO 3. Understand the salient features of change in society.
- CO 4. Explain the growth of education.



B.A.II History

(Introduced from June 2019)

Paper IV: History of India (1757-1857)

After studying this course, the student will....

- CO 1. Acquaint himself with significant events leading to establishment of the rule of East India Company.
- CO 2. Know the colonial policy adopted by the company to consolidate its rule in India.
- CO 3. Understand the structural changes initiated by colonial rule in Indian economy.
- CO 4. Explain the various revolts against rule of the East India Company.

Paper VI: History of Freedom Struggle (1858-1947)

After completion of this course, the student will be able to....

- CO 1. Understand the events which lead to the growth of nationalism in India.
- CO 2. Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi.
- CO 3. Explain the contribution of Revolutionaries, Left Movement and Indian National Army.
- CO 4. Know the concept of communalism and the causes and effects of the partition of India.



B.A.II IDS

(Introduced from June 2019)

Paper I: Social Reforms in India

After completion of the course, the student will be able to....

- CO 1. Understand the salient features of prominent socio-religious reform movements.
- CO 2. Explain the thought and work of Mahatma Phule for radical transformation of Indian Society.
- CO 3. Know the measures taken by Rajashri Shahu Maharaj for emancipation of lower lower classes and women.
- CO 4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India.
- CO 5. Know the Indian contribution embodies the values of social justice and equality.

Paper II: Social Reforms in Maharashtra

After studying the course, the student will be able to

- CO 1. Know about the beginnings of social reforms in Maharashtra by the Paramhansa Mandali and Prarthana Samaj.
- CO 2. Understand the contribution of women reformers.
- CO 3. Explain the contribution of social reformers in the fight for social justice.
- CO 4. Explain the role played by the educational reformers in transformation of society.



B.A.III History

(Syllabus to be implemented from June 2020 onwards)

Semester –V, Course VII DSE E-61

Paper VII: Early India (from beginning to 4th c. Bc.)

Course Outcomes:

After studying the course, the student will be able to

1. Understand the transition of humans in India from Hunters to Farmers.
2. Explain the transition from Early to later Vedic period.
3. Clarify the causes for the first and second urbanization.
4. Give an account of the teachings of Gautama Buddha and Vardhaman Mahavir.
5. Describe the rise and growth of the Mauryan Empire.
6. Explain the salient features of Ashoka's Dhamma.

B.A.III History

Semester V, Course No: VIII DSE E-62

Paper No. VIII History of Medieval India (1206-1526 AD)

Course Outcomes:

After studying the course the student will be able to...

- 1) Describe the different types of historical sources available for writing the history of medieval India
- 2) Explain the contributions of medieval rulers like Allaudin Khilji, Muhammad-binTuqhlaq, Krishnadevraya, and Mahmud Gavan
- 3) Give an account of the administration and economy of the Delhi sultanate and Vijayanagar Empire



4) Elucidate the significant developments which took place in religion, society and culture.

B.A. Part III

Semester V, Course No: IX DSE E-63

Paper No. IX Age of Revolutions

Course Outcomes:

After studying the course the student will be able to...

- 1) Explain the causes and consequences of the Reformation
- 2) Give an account of the role played by Martin Luther
- 3) Explain the salient features of the Industrial revolution
- 4) Given an account of the American revolution
- 5) Explain the causes, effects and major events of French Revolution
- 6) Explain the role of major leaders of the French Revolution

B.A. Part – III

Semester V, Course No. X DSE E-64

Paper No. X Political History of the Marathas

Course Outcomes: After studying the course the student will be able to...

- 1) Describe the political conditions of the Marathas upto the year 1740
- 2) Explain the role of Balaji Bajirao.
- 3) Explain the causes and effects of the Battle of Panipat.



- 4) Understand the political condition of the Marathas after 1761.
- 5) Critically analyze the causes for the decline of Maratha power.

B.A. Part III

Semester V, Course No. XI DSE E-65

Paper No. XI History: Its Theory (Field visit to any important historical place, monuments and record offices is essential) sources.

Course Outcomes:

After studying the course the student will be able to...

- 1) Understand the definition and scope of the subject of History
- 2) Know the process of acquiring historical data
- 3) Explain the process of presenting and writing history
- 4) Understand the methods of writing history



SEMESTER VI

B.A. Part III

Semester VI, Course No. XII DSE E-186

Paper No. XII Ancient India (From 4th c. BC to 7th c. AD)

Course Outcomes:

After studying the course the student will be able to...

- 1) Know the political, economic and religious developments which took place in early historic India
- 2) Explain the role played by Major Satavahana, Kushana, Gupta and Vakataka Kings
- 3) Give an account of the developments in the Post-Gupta period
- 4) Have an informed opinion about the society and culture of Ancient India

B.A. Part III

Semester VI, Course No. XIII DSE E-187

Paper No. XIII History of Medieval India (1526-1707 AD)

Course Outcomes:

After studying the course the student will be able to...

- 1) Know about the various sources for writing Medieval Indian history
- 2) Explain the role of rulers like Babar, Akbar, Chandbibi and Ibrahim Adilshah II
- 3) Gain knowledge about the administrative and revenue system
- 4) Describe the condition of Industry and trade 5) Explain important developments in religion, society and cultur



B.A. Part III

Semester VI, Course No: XIV. DSE E-188

Paper No. XIV Making of the Modern World (16th to 19th Century)

Course Outcomes:

After studying the course the student will be able to...

- 1) Know the causes and consequences of the Glorious revolution in England
- 2) Explain the concept of Nationalism and account for its rise and spread.
- 3) Describe the unification of Italy and Germany.
- 5) Explain the significance of the Partition of Africa
- 6) Know the life and thoughts of important leaders like Metternich, Karl Marx and Abraham Lincoln

B.A. Part III

Semester VI, Course No. XV DSE E-189

Paper No. XV Polity, Economy and Society under the Marathas

Course Outcomes:

After studying the course the student will be able to...

- 1) Know the various sources for writing the history of the Marathas
- 2) Explain the significant developments in the polity of the Marathas
- 3) Describe the economic conditions
- 4) Explain the social conditions.



B.A. Part III

Semester VI , Course No. XVI DSE E-190

Paper No. XVI Methods and Applications of History

Course Outcomes:

After studying the course the student will be able to...

- 1) Understand the nature of archival sources
- 2) Gain conceptual clarity about recent trends in history.
- 3) Know about the application of history in museums.
- 4) Explain the concept and scope of heritage tourism.



Smt. Meenalben Mehta College, Panchgani



Department of Geography

Course Outcomes

B. A. Part - I Physical Geography, Human Geography (Paper No. I & II)

- 1) Explain the fundamental branches of Geography in general and Physical Geography and Human Geography in particular.
- 2) Describe the concepts of interior of the earth, continental drift Theory, composition and structure of atmosphere, types of human settlements etc.
- 3) Explain the basis of Human development by studying these Physical branches of Geography.

B. A. Part - II (Paper No. III to VI)

I) Soil Geography (Paper No. III)

- 1) Explain soil geography as the fundamental branch of Physical Geography.
- 2) Describe the basic and fundamental concepts of soil geography.
- 3) Explain the concept, causes and controlling factors soil erosion, soil degradation and Conservation of Soils.
- 4) Explain the concept, need and methods soil of management.
- 5) Describe classification, characteristics and distribution of soils.

II) Resource Geography (Paper No. IV)

- 1) To describe utilization distribution of resources
- 2) Explain the concept of sustainable resource development
- 3) To be able to draw dot maps.

III) Oceanography (Paper No. V)

- 1) Explain the concept of oceanography.
- 2) Explain the marine as key resource for the development of any country.
- 3) Explain the physical and chemical properties of oceans
- 4) Describe S.O.I. topo maps and I.M.D. weather maps.

VI) Agriculture Geography (Paper No. VI)

- 1) Explain the nature and scope of Agriculture Geography
- 2) To understand the problems of agriculture
- 3) To understand the types of Agriculture





Smt. Meenalben Mehta College, Panchgani

Department of Geography

Program Specific Outcomes

- 1) The Students are known the Human development by studying these Physical branches of Geography.
- 2) The students are understood the branches of Geography, concepts in Physical Geography and Geomorphology and Climatology in detail.
- 3) The students are acquired knowledge about the basic and fundamental concepts of soil geography.
- 4) The students are understood soil is key resource for the development of any country with concept, causes and controlling factors of soil erosion, soil degradation and Conservation of Soils. Along with the concept, need and methods soil of management.
- 5) Students are known classification, characteristics and distribution of soils.
- 6) The students are understood the Human Geography as a basic branch of Geography along with the Dichotomy, Environmentalism and possibilism.
- 7) The students are well prepared with the knowledge of the racial groups in the world





- 8) The students are familiar with the fundamental concepts of oceanography, they are also known oceans are the best alternative source to the earth resources.
- 9) Students are talented about physical and chemical properties of oceans and get detailed about types of oceanic currents and currents of Atlantic, Pacific and Indian oceans.
- 10) The students are individually ready to prepare graphs and diagrams of oceanic statistical data.
- 11) The students are well acquainted with new emerging concepts and development of Agriculture. They are aware about agricultural determinants towards the changing cropping pattern and Green Revolution.
- 12) They are aware about the Agricultural concepts and modern technologies used in Agriculture.
- 13) The students are familiar with aspects of tourism which have a relation with the subject matter of Geography and students are oriented in relation to the logistics of tourism industry and the role of tourism in regional development.
- 14) The students are individually examining an impact of tourism on physical and human environments.
- 15) The students are acquainted with distinct dimensions, physical setup, climate and mechanism of monsoon, soils and vegetation of India.
- 16) Regional study of India helps the students to understand recent trends in regional study.
- 17) The students have known an importance of research, principles, techniques of research and methodology.
- 18) The students are understood the process and value of geographical research and also they are abled to apply skills and ICT in geography.
- 19) The students are well acquainted with the relationship of human activities with resources at global level.
- 20) The students are abled to apply global economic situation at local level.
- 21) The students are acquainted about regional resources.
- 22) The students well familiar with different agricultural products, means of transportation and their network of the India.



- 23) The students are got the knowledge of transport and trade in India.
- 24) The students are aware about fundamental concepts of Urban Geography and types of Urban Settlements, site & Situation.
- 25) The students are capable up to some level for handling the present problematic situation in urban and rural areas.
- 26) The course matter of Urban Geography has been prepared the students for good planner and environmental Conservator.
- 27) The students are abled with distinct dimensions of Political Geography.
- 28) The students are known the role of geographical factors in influencing the political character of countries / regions.
- 29) The students are understood the geo-political issues in India and World.
- 30) The students are understood with the importance of map making & map Interpretation.
- 31) The students are understood map, concept of projection and concept of scale.
- 32) The students are trained in analysis of landforms, map Interpretation (S.O.I. topomaps and I.M.D. maps).
- 33) The students are trained in applications of different cartographic techniques and methods used for representation of demographic and physio- socio-economic database.
- 34) The students are aware about the applications of modern tool & techniques in Geography.
- 35) The students are developed their skills in instrumental (Plain Table and Prismatic Compass) survey.
- 36) The students are abled to use computer for analysis of Geographical data.
- 37) The students are understood the basic information about Arial Photographs, Remote Sensing, GIS and GPS.

“Education for Knowledge, Science and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

SMT. MEENALBEN MEHTA COLLEGE, PANCHGANI

Tal-Mahableshwar & Dist Satara

**Programme Outcomes, Programme Specific Outcomes and Course
Outcomes**

DEPARTMENT OF COMMERCE

Programme Outcomes

Bachelor of Commerce (B.Com.)

After completion of the **B.Com.** Programme, the students will develop ability:

- Understand the principles and practices of management.
- Acquire entrepreneurship qualities and skills.
- Understand basic accounting knowledge as applicable to business.
- Face the changing environment of business in the process of Globalization.
- Understand basic knowledge of quantitative techniques applicable to business.
- Understand the concepts in Insurance, Banking, Marketing and e-commerce

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Tal-Mahableshwar & Dist Satara

**Programme Outcomes, Programme Specific Outcomes and Course
Outcomes**

DEPARTMENT OF COMMERCE

Programme Specific Outcomes

B.COM. PROGRAMME

Advanced Accountancy

- Expose to advanced accounting issues and practices.
- Gain working knowledge of generally accepted auditing procedure, techniques & skills.
- Expose to Cost Accounting & Management Accounting.
- Obtain knowledge of various provisions of Income - Tax Act & their applications in Computations of Income of Individuals & firms under various heads of Income.



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Tal-Mahableshwar & Dist Satara

Tal. & Dist Satara

**Programme Outcomes, Programme Specific Outcomes and Course
Outcomes**

DEPARTMENT OF COMMERCE

Course Outcomes

Course Outcomes After completion of this course, the student will be able to

B.Com. I

Management Principles and Applications

1. Understand basic management concepts, principles and practices.
2. Understand basic management functions.
3. Understand of basic management concepts, principles and practices.
4. Understand basic management functions.

Principles of Marketing

1. Get knowledge of concepts, principles, tools and techniques of Marketing.
2. Get basic knowledge of 4P's of marketing and retailing.
3. Understand the nature and objectives of Marketing Management.
4. Study the various functions of Marketing Management.





Insurance

1. Get the knowledge of the principles of life insurance and their importance.
2. Understand the concept of life insurance
3. Understand various products of Life Insurance.
4. Get the knowledge of the principles of Fire Insurance & Motor Insurance and their importance.
5. Get exposure to the provisions of Fire Insurance & Motor Insurance
6. Understand various documents and regulations required for Fire Insurance & Motor Insurance.

Financial Accounting

1. Become aware about the basic concepts of accounting and Accounting Standards.
2. Simulate practice of accounting for Amalgamation and Conversion of partnership firm.
3. Demonstrate accounting for Branches such as Dependent Branch and Independent Branch.
4. Practice the consignment accounting.
5. Simulate practice of preparing financial statements for Profession such as Receipt and Expenditure A/c and Balance sheet.
6. Practice the fundamental accounting process through Tally ERP.



B.Com II

Corporate Accounting

1. Explain the accounting entries of issue and forfeiture of shares and re-issue of forfeited shares, discuss accounting treatment for redemption of preference shares and buyback of shares.
2. Demonstrate accounting for issue of debentures and redemption of debentures.
3. Simulate practice of preparing financial statements as per the provisions of Indian Companies Act 2013.
4. Explain the accounting entries of profit/loss prior to incorporation.
5. Compute the value of shares as per distinct methods and differentiate between them.
6. Simulate practice of accounting for liquidation of companies.
7. Practice the fundamental accounting process and store accounting through Tally ERP.

Fundamentals of Entrepreneurship

1. Impart theoretical knowledge of Entrepreneurship
2. Develop Entrepreneurship qualities and skills
3. Acquaint with Steps involved in the formation of Small Enterprises
4. Enlighten with Recent Trends and Concepts in Entrepreneurship
5. Acquaint with family business in India
6. Impart conceptual knowledge of Service and Agro Entrepreneurship
7. Become aware about Business Plan and Project Report
8. Inspire through successful stories of Entrepreneurs



Business Statistics

1. Explain the scope of statistics in business, perform classification and tabulation, and represent the data by means of simple diagrams and graphs.
2. Explain and apply sampling techniques in real life.
3. Summarize data by means of measures of central tendency and dispersion.
4. Explain the merits and demerits of various measures of central tendency and dispersion.
5. Perform analysis of bivariate data using simple correlation and simple linear regression.
6. Compute unconditional and conditional probabilities and apply laws of probabilities.
7. Identify the applications of Binomial and normal distributions.
8. Measure trend and seasonal variations in time series data.
9. Compute and interpret simple and weighted index numbers.
10. Construct and apply variable and attribute control charts.

B.Com III

Modern Management Practices

1. Familiarize with the modern management practices being used by the corporate world.
2. Acquaint the importance and applicability of various modern management practices.

Business Regulatory and Framework

1. Create legal awareness.
2. Acquaint with the latest laws governing business and commercial transactions.

Advance Accounting

1. Expose to advanced accounting issues and practices
2. Expose to cost and Management Accounting


Head,
Department of Commerce,
Smt. Meenalben Mehta College, Panchgani




I/C PRINCIPAL
Smt. Meenalben Mehta College, Panchgani
(Arts, Commerce & Science)
Tal. Mahabaleshwar, Dist. Satara

SMT. MEENALBEN MEHTA COLLEGE, PANCHGANI

Tal-Mahabaleshwar & Dist Satara

DEPARTMENT OF COMMERCE

PROGRAM OUTCOMES

B.Com. I

- ❖ PO 1 - Student are made aware about the Accounting Analysis of Financial Statements after completion of B.Com. Course.
- ❖ PO2 - Students of Commerce are enabled with the various aspects of Industry, Banking, Marketing & Insurance sector etc.

B.COM.II and III

- ❖ PO1 - Inculcate the Entrepreneurial skills, qualities & characteristics among new generation of higher education.
- ❖ PO2 - Develop views & Ideas about data analysis, classification & their practical application in research areas.
- ❖ PO3 - Create the awareness about Accounting Principles & New techniques of Computer Accounting Transactions.
- ❖ PO4 - Familiarize towards Indian Economy System, Pricing Policy, Industrial Policy and Consumer behavior through the basic economical concept.
- ❖ PO5 - Create employment opportunities through Taxation & Cost Management Accounts in Corporate Sector.
- ❖ PO6 - Familiarize with Banking, Insurance & Marketing Sector in present Scenario.
- ❖ PO7 - Examine Review & Analysis of the Financial through Accounting & Auditing Principles


Head,
Department of Commerce,
Smt. Meenalben Mehta College, Panchgani




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Tal. Mahabaleshwar, Dist. Satara

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"Dissemination of Education for Knowledge, Science and Culture"

Shikshanmaharshi Dr Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha Kolhapur's

Smt. Meenalben Mehta College, Panchgani

Tal- Mahabaleshwar, Dist: Satara- 412805

Affiliated to Shivaji University, Kolhapur



Department of Zoology Programme Specific Outcome

- PSO 1 Acquisition of knowledge of animal science to the pupils
- PSO 2 Acquisition of the knowledge of nutrition, agriculture & live stock in their daily life
- PSO 3 Awareness of natural resources and environment
- PSO 4 Aptitude for scientific work & ability to pursue studies far beyond graduation
- PSO 5 Life science as a career, which is the need now-a-day
- PSO 6 Applications of scientific principles for organization of scientific exhibitions and competitions
- PSO 7 Presentation skills and confidence in students
- PSO 8 Skills in practical work, experiments, laboratory materials & handling of instruments
- PSO 9 Interests in the subject
- PSO 10 Enhancement of scientific attitude & scientific hobbies
- PSO 11 Abilities to apply scientific methods, collection of scientific data, problem solving, Research Paper Writing, etc
- PSO 12 Appreciation of the subject, contributions of scientists, scientific methods, scientific programs, etc



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Head,
 Department of Zoology,
 Smt. Meenalben Mehta College, Panchgani

Course Outcome

Sr. No.	Class	Paper No.	Title of the Paper	Course Outcome
1	B. Sc. I	I	DSC 15A Animal Diversity I	1. Aptitude for identification of Animals as per Scientific Classification. 2. Acquisition of knowledge of anatomy and histology of different animals from various groups of Kingdom Animalia
2		II	DSC 16A Animal Physiology	1. Acquisition of knowledge of basic physiology and its relation to daily life. 2. Aptitude for identification of alteration in physiological processes by knowing symptoms of various diseases.
3		III	DSC 15B Cell Biology and Evolutionary Biology	1. Inculcation of Knowledge of Cell as well as structure and function of its organelles. 2. Understanding various evolutionary theories and its relevance with present evidences.
4		IV	DSC 16B Genetics	1. Inculcation of Knowledge of Genetics to solve criminal cases like pedigree analysis.
5	B. Sc. II	V	DSC 15C Animal Diversity II	1. Aptitude for identification of Animals as per Scientific Classification. 2. Acquisition of knowledge of anatomy and histology of different animals from various groups of Kingdom Animalia
6		VI	DSC 16C Biochemistry	1. Acquisition of knowledge of Biomolecules and their chemical processes.
7		VII	DSC 15D Reproductive Biology	1. Acquisition of knowledge of anatomy and histology of reproductive organs in human being. 2. Acquisition of knowledge of process of reproduction and its hormonal control in human being. 3. Inculcation of Knowledge of assistive reproductive technology for human being.
8		VIII	DSC 16D Applied Zoology I	1. Aptitude for identification of some pathogenic diseases and their control measures. 2. Acquisition of knowledge of host parasite



				relationship and its use in human welfare 3. Aptitude for application of modern technologies in poultry management and its use for human welfare.
9	B. Sc. III	IX	DSE-E29 (Comparative anatomy of vertebrates)	1. Acquisition of knowledge of vertebrate anatomy to compare and decide evolutionary relationship.
10		X	DSE-F30 (Molecular Cell Biology and Animal Biotechnology)	1. Aptitude for various processes of Nucleic acids and their role in cellular mechanism. 2. Acquisition of knowledge of molecular modeling and their use to improve quality of human life.
11		XI	DSE-E31 (Biotechniques and Biostatistics)	1. Aptitude for use of various scientific instruments for molecular modeling. 2. Acquisition of knowledge of Biostatistics for research.
12		XII	DSE-E32 (Aquatic Biology)	1. Acquisition of knowledge of aquatic environment for protection and conservation. 2. Inculcate the knowledge of hormones and hormone related diseases.
13		XIII	DSE-F29 (Developmental Biology of Vertebrates)	1. Acquisition of knowledge of developmental patterns of different economical and research important animals
14		XIV	DSE-F30 (Immunology)	1. Acquisition of knowledge of immune system to improve health status.
15		XV	DSE-F31 (Applied Zoology - II)	1. Social and Economical growth of individual by applying knowledge of Applied Zoology.
16		XVI	DSE-F32 (Insect Vectors and Histology)	1. Aptitude for identification of Insects as vectors and to know their life cycle for control of diseases. 2. Knowledge of internal organs to know the diseased/abnormal/infected/altered conditions.




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"Education for Knowledge, Science and Refined Culture" – Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekananda Shikshan Sanstha, Kolhapur's
Smt. Meenalben Mehta College, Panchgani

Department of Statistics

Course Learning Outcomes

2022 – 2023

DSC –7A (Descriptive Statistics – I)

Course Outcomes: The students will acquire knowledge of

CO1. meaning and scope of Statistics, various statistical organizations,

CO2. Data and types of data, various data presenting methods,

CO3. Population, sample and various methods of sampling,

CO4. Various measures of central tendencies and dispersion, v. moments, skewness and kurtosis.

DSC –8A (Elementary Probability Theory)

Course outcomes: Students will be able to;

CO1. Distinguish between random and non-random experiments

CO2. Acquire knowledge of concepts of probability

CO3. Use the basic probability rules, including additive and multiplicative laws

CO4. Understand concept of conditional probability and independence of events.

CO5. Understand concept of univariate random variable and its probability distributions

CO6. Acquire knowledge of mathematical expectation of univariate random variable.

DSC –7B (Descriptive Statistics – II)

Course Outcomes: Students will acquire knowledge of;

CO1. Correlation coefficient and interpret its value.

CO2. Regression coefficients, interpret its value and use in regression analysis.

CO3. Qualitative data including concept of independence and association between two attributes

CO4. Vital statistics and concept of mortality and fertility and growth rates.



DSC –8B (Discrete Probability Distributions)

Course Outcome: Student will be able to acquire knowledge of;

- CO1. bivariate discrete distributions, independence of bivariate r.vs. Mathematical expectation of bivariate discrete random variable. 11
- CO2. one point distribution, two point distribution, Bernoulli distribution,
- CO3. Uniform distribution, Binomial distribution, hyper geometric distribution,
- CO4. Poisson distribution, Geometric distribution and Negative binomial distribution.

DSC–7C (Probability Distributions – I)

Course Outcomes: The students will acquire knowledge of;

- CO1. Understand concept of discrete and continuous probability distributions with real life situations.
- CO2. Distinguish between discrete and continuous distributions.
- CO3. Find the various measures of random variable and probabilities using its probability Distribution.
- CO3. Know the relations among the different distributions.
- CO4. Understand the concept of transformation of univariate and bivariate continuous random Variable.

DSC-8C (Statistical Methods-I)

Course Outcomes: The students will acquire knowledge of;

- CO1 .Understand the concept of Multiple Linear Regression.
- CO2. Understand the concept of Multiple Correlations and Partial Correlation.
- CO3. Know the concept of sampling theory.
- CO4. Understand the need of vital statistics and concept of mortality and fertility.



DSC-7D (Probability Distributions-II)

Course Outcomes: The students will acquire knowledge of;

- CO1.know some standard continuous probability distributions with real life situations.
- CO2.Distinguish between various continuous distributions.
- CO3.find the various measures of continuous random variable and probabilities using its Probability distribution
- CO4.Understand the relations among the different distributions.
- CO5.understand the Chi-Square, t and F distributions with their applications and inter relations.

DSC-8D (Statistical Methods-II)

Course Outcomes: The students will acquire knowledge of;

- CO1.Know the concept and use of time series.
- CO2.Understand the meaning, purpose, and use of SQC, construction and working of control charts for variables and attributes
- CO2 Apply the Small sample tests and large sample tests in various situations.



Head
Department of Statistics
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Shri Swami Vivekanand Shikshan Sanstha's
Smt. Meenalben Mehta College, Panchgani
Course Outcomes
Department of Physics

Class	Semester	Paper Name & Number	Outcomes
B.Sc. I (NEP-2020)	Sem.-I	DSC -1A Mechanics - I paper I	<ol style="list-style-type: none">1. The students will understand exact how to know vector or scalar.2. The students will learn difference between partial and ordinary differentialequations.3. The students learn Newton's laws of motion and how to calculate moment of inertia in rotational motion.4. The students will understand laws of conservation of linear and angular momentum n its uses.
		DSC-2A Mechanics -II paper II	<ol style="list-style-type: none">1. The students will capable to discuss gravitational laws of motion and how it's applicable in satellites.2. The student will know the oscillation and from this how to calculate gravitational force.3. The students will able to discuss elasticity and it's type.4. The students will able to getting idea behind the surface tension and how it works exactly.
	Sem.-II	DSC B: Electricity and Magnetism-I Paper-III	<ol style="list-style-type: none">1. The students will understand how to getting scalar and vector and also dot and cross products and it's physical significance2. The students able to discuss concept of electrostatic field, Gauss's theorem and information about capacitance, condenser, light polarization.
		DSC-2B Electricity and	<ol style="list-style-type: none">1. The students will able to understand circuits in it LCR and how to introduce and phase and resistance control the voice.2. The students will understand magnetism and its types.

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Department of Physics

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Tal. Mahabaleshwar, Dist. Sindh.

		Magnetism -II Paper IV	<ol style="list-style-type: none"> The students will understand basics of Faraday's law , Lenz's law. The student will get the knowledge of electromagnetic theory and basic Maxwell's laws.
B.Sc. II CBCS	Sem.-III	DSC- C1 – Thermal physics and statistical Mechanics -I paper No. V	<ol style="list-style-type: none"> The students will understand kinetic theory of gases and thermometry. The students get knowledge about laws of thermodynamics, work done, how Carnot's engine work, Reversible and irreversible process.
		DSC-C2 Waves and Optics-I paper No. VI	<ol style="list-style-type: none"> The student will explain oscillations and how superimpose waves, Lissajous figures. The students will understand basic concepts of oscillations. The students will get the knowledge of waves and it's motion and it's velocity. The students will understand basic ideas of sound and how to control it. The students will get the knowledge to do experiment of viscosity. The students will get the knowledge about basic of vacuum pumps and how to control pressure.
	Sem.-IV	DSC-D1 Thermal physics and statistical mechanics-II Paper No. VII	<ol style="list-style-type: none"> The students will understand thermodynamics and it's problem. The students will get the knowledge about application of black body radiation. And laws in this. The introduction of basic of classical statistics and its states. Student will learn the basics of quantum statistics.
		DSC- D2 Waves and optics -II paper No. VIII	<ol style="list-style-type: none"> The students will get the knowledge about the cardinal points. The students will get the knowledge about resolving power of optical instruments basically optics. The students will understand the polarization of light. Student will be capable of understanding the interference of light. Newton's rings. Student will learn the basic knowledge Diffraction and theory of grating.

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B.Sc. III CBCS	Sem.-V	DSE-E1 Mathematical Physics Paper No. -IX	<ol style="list-style-type: none"> 1. The students will get how to calculate partial differential equations and difference between partial and ordinary differential equation. 2. The students will understand Frobenious method and special functions. 3. The students will acquire new concept of integrals. 4. The students will understand the complex analysis.
		DSE-E2- Quantum Mechanics Paper No.- X	<ol style="list-style-type: none"> 1. The students will getting Idea of wave particles and uncertainty relation. 2. The students will get knowledge of Schrödinger's wave equations and how to calculate eigen values. 3. The students will know idea of operators in quantum mechanics. 4. The students will understand application of Schrodinger's wave equations.
		DSE- E3 Classical Mechanics and Classical Electrodynamics Paper No. XI	<ol style="list-style-type: none"> 1. The students will understand Lagrangian formulation and in it how to calculate degrees of freedom D'Alembert principle. 2. The students will get knowledge of techniques of calculus of variation. 3. The students will understand special theory of relativity. and sometransformation. 4. The students will get knowledge of Poisson's and Laplace's equations and its physical significance.
		DSE-E4- Digital and analog circuits and instrumentation Paper No. XII	<ol style="list-style-type: none"> 1. The students will able to understand basic digital logic gates. 2. The students will get knowledge of transistor amplifier and sinusoidal oscillator and work. 3. The students will able to basics of CRO. 4. The students will get knowledge op-amp and its characteristics.

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