Dnyanganga Shikshan Prasarak Mandal

Shripatrao Chougule Arts and Science College Malwadi-Kotoli

PROGRAMME OUTCOMES (POs), PROGRAMME SPECIFIC OUTCOMES (PSOs) and COURSE OUTCOMES (COs)

PREAMBLE:

Shripatrao Chougule Arts and Science College, Malwadi-Kotoli, Tal.Panhala Dist. Kolhapur has clear vision about outcome-based education process in accordance with UGC guidelines. Learning Outcomes of the Programs and Courses are highlighted and made aware to the students in the induction ceremony-cum-orientation programme at the beginning of the session. Moreover, it inculcates employability and entrepreneurial skills in the students. The importance of the learning outcomes has been discussed and communicated to the teachers. The curricula under CBCS have been strengthened with the introduction of OBE and the courses have been reinforced with desirable outcomes. Course Outcomes are assessed at the completion of each course and the Programme Outcomes are measured at the time of completion of the programme. OBE enriches the courses offered in each programme, equips the teachers with knowledge and skill, and, empowers the learners with attainable outcomes of the programme. It develops the optimistic attitude in the learners towards vertical development in their future endeavors.

PRINCIPAL
Shripatrao Chougule Art's and Science College Malwadi-Kotoli, Tal.Panhala, Dist.Kolhapur.

Dr. K. S. Chougule
Chairman

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit,

Shripatrao Chougule Arts and Science College,

Malwadi-Kotoli Tal. Panhala, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao
Chougule (Dada)

BACHELOR OF ARTS

PROGRAMME OUTCOMES

Students seeking admission for BA programme are expected to imbue with following quality which help them in their future life to achieve the expected goals:-

PO1: Development of communication and translation skill and understanding of human values, the importance of criticism and the concept and process of literature by studying Marathi, Hindi and English languages.

PO2: Creating critical approach towards economic and social problems

PO3: Acquisition of map reading and map filling. They became familiar about the terms and concepts in Physical and human geography.

PO5: Realization of concept of sustainable resource development at local, regional and global levels.

PO6: Developing sociological knowledge and skill that will enable them to think critically and analyze the social issues, social structure, social institutions and social inequality.

PO7: Inculcating values of responsible citizen.

PO8: Creating innovative sense in their specialized discipline.

PO9: Analyzing political socialization through political education for the students. Students get information about Democratic values such as Equality, fraternity, Liberty and Justice.

PO10: Acquiring skills of physical education.

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Shripatrao Chougule Arts and Science College,

Malwadi-Kotoli Tal. Panhala, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao Chougule (Dada)

BACHELOR OF SCIENCE

PROGRAMME OUTCOMES

After successful completion of three year degree program in Science students are able to:

PO1: Inculcate scientific thinking and awareness and ability to use necessary current techniques, skills, and modern tools.

PO 2: Develop scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.

PO3: Recognize the impact of scientific solutions on societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

PO4: Develop scientific attitude and make the students open minded, critical, curious.

PO5: Develop skill in practical work, experiments and laboratory materials and equipment along with the collection and interpretation of scientific data to contribute the science.

PO6 : Provide practical experience to the students as a part of the course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.

PO7: Explain natural phenomenon, manipulation of nature and environment in the benefit of human beings.

PO 8: Develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country self-reliant and sufficient.

PO 9: Create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.

PO10: Execute social competence including listening, speaking, and observational, effective interactive skills and presenting skills to meet global competencies.

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Shripatrao Chougule Arts and Science College

Malwadi-Kotoli

PROGRAMME OUTCOMES (POs), and COURSE OUTCOMES (COs)

INDEX

Shripatrao Chougule Arts And Science College Estd.1990 Malwadi-Kotoli Tal.Panhala, Dist.Kolhapur

PRINCIPAL
Shripatrao Chougule Arts and Science College Malwadi-Kotoli, Tal.Panhala, Dist.Kolhapur.

SHRIPATRAO CHOUGULE ARTS AND SCIENCE COLLEGE,

MALWADI – KOTOLI, TAL. PANHALA.

OUTCOMS

बी. ए. मराठी विभाग

२०१९/२० ते २०२२/२३

वर्ग	अभ्यासपत्रिका क्र.	अभ्यासपत्रिकेचे नांव	OUTCOMES
बी. ए. भाग १	मराठी आवश्यक अभ्यासपत्रिका अ व ब	शब्दसंहिता	१. विद्यार्थ्यांच्यात मराठी भाषेची आवड निर्माण झाली. २. मराठी भाषेतील लेखक व कवींचा परिचय विद्यार्थ्यांना झाला. ३. विद्यार्थ्यांच्यात स्पर्धा परीक्षेत मराठी विषयाचा वापर कसा होतो हे समजले. ४. निबंधलेखनाच्या माध्यमातून त्यांच्या भाषेत अमूलाग्र बदल झाला.
बी. ए. भाग १	मराठी ऐच्छिक अभ्यासपत्रिका I & II	अक्षरबंध	१. विद्यार्थ्यांच्यात मातृभाषा, राष्ट्रीय एकात्मता निर्माण झाली. २. चित्रपट व इतर प्रसारमाध्यमाचे स्वरूप विद्यार्थ्यांना समजले.
बी. ए. भाग २	III & V	काय डेंजर वारा सुटलाय ! मराठी भाषिक कौशल्ये	१. विद्यार्थ्यांना नाटक या वाङ्मयप्रकाराचा अभ्यास केला. २. विद्यार्थ्यांच्यात संवादलेखन कौशल्ये विकसित झाली. ३. विद्यार्थ्यांनी आत्मचरित्र या वाङ्मयप्रकाराची ओळख निर्माण करून घेतली. ४. वेगवेगळया प्रांतातील व्यक्तिमत्त्वांची जडण घडण कशी होते याचा विद्यार्थ्यांना अभ्यास करता आला.
	IV & VI	काव्यगंध जुगाड	१. मराठी काव्यपरंपरेची ओळख विद्यार्थ्यांना करवून देण्यात आली. २. माणूस आणि समाज यातील परस्पर संबंध कवितेच्या माध्यमातून विद्यार्थ्यांनी

			समजावून घेतला. ३. विद्यार्थ्यांनी कादंबरी लेखनाचे विशेष अभ्यासले. ४. वृत्तांतलेखन कौशल्ये विद्यार्थ्यांच्यात रुजविली गेली.
बी ए भाग ३	VII & XII	साहित्य विचार	१. विद्यार्थ्यांनीपौर्वात्य पाश्चात्य व आधुनिक भारतीय साहित्यशास्त्राचे स्वरूप समजावून घेतले. २. विद्यार्थ्यांनी साहित्य प्रयोजनाचे आकलन करून घेतले. ३. विद्यार्थ्यांनी निर्मितीप्रक्रियेचा आनंद घेतला. ४. विद्यार्थ्यांनी साहित्यभाषेचे आकलन करून घेतले.
	VIII & XIII	भाषाविज्ञान आणि मराठी भाषा	१. विद्यार्थ्यांनी आधुनिक भाषा विज्ञानाचा परिचय करून घेतला. २. मराठी भाषेविषयीची आवड विद्यार्थ्यांच्यात निर्माण झाली. ३. विद्यार्थ्यांनी मराठी भाषेची वर्णव्यवस्था समजावून घेतली. ४. विद्यार्थ्यांना बोली भाषेचे महत्त्व समजले. ५. विद्यार्थ्यांच्यात मराठी भाषेची आवड निर्माण झाली.
	IX & XIV	मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते इ. स. १५००) / (इ. स. १५०० ते १८००)	१. विद्यार्थ्यांना मराठी वाङ्मयाचा कालिक अभ्यास करता आला. २. विद्यार्थ्यांना मध्ययुगीन वाङ्मयाचा अभ्यास समजावून घेता आला. ३. पंडिती काव्य, बखर वाङ्मय व शाहिरी काव्याचा परिचय विद्यार्थ्यांना झाला. ४. मध्ययुगीन मराठी गद्य, पद्य रचनेचे विशेष विद्यार्थ्यांना अभ्यासता आले.
	X & XV	मराठी भाषा व अर्थार्जनाच्या संधी	१. विद्यार्थ्यांनी सर्जनशील लेखनाची प्रक्रिया समजावून घेतली. २. वैचारिक लेखनाचे स्वरूप वद्यार्थ्यांना समजावून देता आले.

			३. प्रसारमाध्यमातील अर्थार्जनाच्या संधी विद्यार्थ्यांना आत्मसात करता आल्या. ४. विद्यार्थ्यांना मुद्रित शोधनाची प्रक्रिया अभ्यासता आली. ५. सर्वांना परीक्षेतील मराठी भाषेचे महत्त्व विद्यार्थ्यांना समजावून घेता आले.
	XI & XVI	वाङ्मयप्रकाराचे अध्ययन : (मध्ययुगीन) /(ललित गद्य व्यक्तिचित्रे)	१. महानुभाव पंथाचा परिचय विद्यार्थ्यांनी करून घेतला. २. दृष्टांतपाठ आशयानुरूप समजावून घेता आला. ३. ललित गद्य वाङ्मयप्रकाराचे स्वरूप विद्यार्थ्यांनी समजावून घेतले. ४. व्यक्तिचित्रे संकल्पना व स्वरूपा विद्यार्थ्यांनी समजावू घेतले.

महाजन
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Marathi

श्रीपतरावचौगुलेआर्टसअॅण्डसायन्सकॉलेज,

माळवाडी–कोतोली, ता. पन्हाळा, जि. कोल्हापूर.

मराठीविभाग

course outcome

2019 – 20 to 2022 - 23

वर्ग	पेपरनाव	outcome
बी.ए.भाग १ सेमिस्टर नं.१	पेपर –अ मराठीआवश्यकशब्दसंहिता	१) विद्यार्थ्यांनामराठीभाषाआणिसाहित्यविषयीची रूचीवाढली. २) विद्यार्थ्यांनामराठीभाषाव्साहित्याचीपरंपराव्द केवळवकवीयांचीओळखझाली.
सेमिस्टर २	पेपर- व	१) विद्यार्थ्याचाव्यक्तिमत्वविकासघडलावस्पर्धा परीक्षांचीपूर्व तयारीझाली. २) निबंधलेखनाच्यामाध्यमातूनभाषा उपयोजनाचीकौशल्येविद्यार्थ्यांमध्येविकसितझाली.
बी.ए.भाग १ सेमिस्टर–१	पेपर –१मराठीऐच्छिकअक्षरवंध	१)विद्यार्थ्यांमध्ये मातृभाषाव्राष्ट्रीयएकात्मताआणि उच्चमानवीमुल्यांविषयीजाणीवनिर्माण झाली.
सेमिस्टर–२	पेपर –२	१) चित्रपटआणि इतर प्रसारमाध्यमेयांच्यालेखनआणि उपयोजनाचेआकलनवाढले.
बी.ए.भाग - २सेमिस्टर –३	पेपर- ३सभासदवखरवअनुवादपहि या	१)शिवाजी महाराजांनीसामान्यांमध्येनिर्माण केलेलेराष्ट्रप्रेमविद्यार्थ्यांमध्येनिर्माण झाले. २)विद्यार्थ्याना विविधक्षेत्रातीलअनुवादाचेमहत्वसमजले.
बी.ए.भाग - २सेमिस्टर-४	पेपर - ५वार्णाकिडेवअनुवादपहि या	१)विद्यार्थ्यानी मध्यमवर्गी यांच्याजीवनातीलसुखदुःखाचेपसंगअनुभवले. २)विद्यार्थ्याना जाहिरातववातमीचेआपल्याजीवनातीलमहत्वसमजले.
बी. ए. भाग– २ सेमिस्टर– ३	पेपर– ४ जनाबाईचेअभंग व संपादनप्रक्रिया	१) संत काव्याचीमहतीसमजावून घेवूनत्यांच्यानिस्वार्थीभावनांचेअनुकरणकरण्याची प्रक्रियासमजली. २) जनाबाईचेव्यक्तिचित्रण समजले.

बी. ए. भाग– २ सेमिस्टर– ४	पेपर–६, तळहवळताना	१) आदिवासींच्यावास्तवातीलसमस्यांचेनिराकरणकरण्याची प्रेरणामिळाली. २) आदिवासीसाहित्याचेस्वरूपआणिवास्तवतासमजली
बी.ए.भाग – ३ सेमिस्टर –५	पेपर –७ काव्यशास्त्र	१)विद्यार्थ्यांना साहित्याचीनिर्मितीपद्धति या आणिस्वरूपसमजले.
	पेपर –८ भाषाविज्ञान आणिमराठीभाषा	१)विद्यार्थ्यांना भाषाविज्ञान आणिमराठीभाषेचासहसंबंधसमजला.
	पेपर–९, मराठीवाङ्मयाचाइतिहास	१) मराठीवाङ्मयाच्याइतिहासातूनप्रेरणा घेतली. २) संत साहित्य व महानुभावसाहित्य यांचीवास्तवतासमजली
	पेपर–१०, उपयोजितमराठी	१) मराठीभाषेची समृध्दतासमजावून घेताआली. २) भाषेचीनिर्मितीप्रक्रियासमजली.
	पेपर–११ वाङमयप्रवाहांचेअध्ययन	१) विद्यार्थ्या नाग्रामीणसाहित्यकृतीववळीचाकादंबरीचा आशयसमजला
बी.ए.भाग – ३ सेमिस्टर –६	पेपर–१२	१)विद्यार्थ्याला साहित्याची आस्वादपद्धति यासमजल. २) विद्यार्थ्यांचावाङमयीनदृष्टीकोनविकसितझाला.
	पेपर –१३ भाषाविज्ञान आणिमराठीभाषा	१)विद्यार्थ्यांना मराठीचा उगमकाळज्ञानकभाषावमराठीचीशब्दव्यवस्थासमजली.
	पेपर–१४, मराठीवाङ्मयाचाइतिहास	१) मराठीवाङ्मयातील शाहिरीकवितासमजावून घेवूनइतिहाचीप्रेरणामिळविली. २) पंडितीवाङ्मयाचीमाहितीमिळाली व त्यांचेसाहित्य अभ्यासताआली.
	पेपर–१५, उपयोजितमराठी	१) मराठीभाषेची समृध्दतासमजावून घेताआली. २) भाषेचीनिर्मितीप्रक्रियासमजली.
	पेपर –१६ वाङमयप्रवाहांचेअध्ययन	१)विद्यार्थ्याला दलितसाहित्यकृतीसुंभआणिपोळयाकांदवळीचाआशयसमजला.

श्री. एम. वाय. पोवारश्री. ए. आर. महाजन

सहा. प्राध्यापक विभागप्रमुख मराठीविभाग

Shri A. R. Mahajan
Head Of Department
Marathi

श्रीपतराव चौगुले आर्ट्स अॅण्ड सायन्स कॉलेज,
माळवाडी – कोतोली, ता. पन्हाळा, जि. कोल्हापूर.
मराठी विभाग

COURSE OUTCOMES
2019 - 20 to 2022 - 23

वर्ग	पेपरचे नांव	outcome
बी. ए. – २ सेमिस्टर – ३	पेपर – ३ काय डेंजर वारा सुटलाय – नाटक मराठी भाषिक कौशल्ये	१. नाटक या वाङ्मय प्रकाराचे आकलन झाले. २. विद्यार्थ्यांमध्ये सभ्यता, संस्कृती, राष्ट्रीय एकात्मता व बंधुता निर्माण झाली. ३. विद्यार्थ्यांमध्ये संवादलेखनकौशल्ये विकसित झाले.
बी. ए. – २ सेमिस्टर – ४	पेपर – ५ माती, पंख आणि आकाश, आत्मचरित्र – भाषिक कौशल्ये	१. आत्मचरित्र या वाङ्मय प्रकाराची ओळख झाली. २. ज्ञानेश्वर मुळे यांच्या व्यक्तिमत्वाची जडण – घडण आणि त्यांचा समकालाची ओळख झाली. ३. विद्यार्थ्यांमध्ये आत्मवृत्तपर लेखन कौशल्ये विकसित झाले.
बी. ए. – २ सेमिस्टर – ३	पेपर – ४ काव्यगंध, मराठी भाषिक कौशल्ये	१. मराठी काव्यपरंपरा व प्रवाहांची ओळख विद्यार्थ्यांमध्ये झाली. २. विद्यार्थ्यांमध्ये काव्य लेखनकौशल्ये विकसित झाले.
बी. ए. – २ सेमिस्टर – ४	पेपर – ६ जुगाड – मराठी भाषिक कौशल्ये	१. विद्यार्थ्यांमध्ये कादंबरी वाङ्मय प्रकाराची ओळख झाली. २. विद्यार्थ्याला मानवी मूल्यांची जाणीव निर्माण झाली ३. विद्यार्थ्यांमध्ये वृत्तांत लेखनकौशल्ये विकसित झाले.

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एम. ए. मराठी विभाग

वर्ग	अभ्यासपत्रिका क्र	अभ्यासपत्रिकेचे नाव	OUTCOMES
एम ए भाग . १	अभ्यासपत्रिका १	भाषिक अविष्काराची रूपे	१. विद्यार्थ्यांनी भाषिक अविष्काराची रूपे समजावून घेतली. २. विद्यार्थ्यांनी भाषा आणि साहित्य यांचा संबंध समजावून घेतला ३. विद्यार्थ्यांनी भाषा आणि साहित्यप्रकार यातील अनुबंध समजावून घेतला ४. विद्यार्थ्यांनी भाषेची सर्जनशीलता समजावून घेतली.
	अभ्यासपत्रिका २.१	विशेष साहित्यकृतीचा अभ्यास	१. विद्यार्थ्यांनी लेखकाचा अभ्यास कसा करावा हे समजावून घेतले. २. लेखकाचा समकाल विद्यार्थ्यांनी समजावून घेतला. ३. लेखकाच्या इतर साहित्यकृतींचा अभ्यास करून त्याच्या वाङ्मयीन जडणघडणीचा विचार विद्यार्थ्यांनी केला. ४. विद्यार्थ्यांनी वाङ्मयीन परंपरेतील लेखकाचे योगदान समजावून घेतले.
	अभ्यासपत्रिका ३	आधुनिक मराठी वाङ्मयाचा अभ्यास	१. विद्यार्थ्यांनी स्वातंत्र्यपूर्व महाराष्ट्रातील सामाजिक, राजकीय, सांस्कृतिक जीवनाची पार्श्वभूमी समजावून घेतली. २. स्वातंत्र्यपूर्व काळातील साहित्यप्रवाहांचा इतिहास विद्यार्थ्यांनी समजावून घेतला.
	अभ्यासपत्रिका ४.२	लोकसाहित्य व लोककला	१. विद्यार्थ्यांनी लोकसाहित्य आणि लोकसंस्कृती यांच्यातला सहसंबंध समजावून घेतला. २. विद्यार्थ्यांनी लोकसाहित्याची संकल्पना समजावून घेतली. ३. विद्यार्थ्यांनी लोकसाहित्याच्या परंपरेची माहिती करवून घेतली. ४. लोकसाहित्याचा उगम आणि व्याप्तीबद्दल विद्यार्थ्यांनी माहिती करवून घेतली.

	अभ्यासपत्रिका ५	साहित्य प्रकारचा सूक्ष्म विचार	१. विद्यार्थ्यांनी साहित्यप्रकारांची संकल्पना समजावून घेतली. २. विद्यार्थ्यांनी विविध वाङ्मयप्रकारातील कथनांचे स्वरूप अभ्यासले.
	अभ्यासपत्रिका ६.१	विशेष साहित्यकृतींचा अभ्यास	५. विद्यार्थ्यांनी लेखकाचा अभ्यास कसा करावा हे समजावून घेतले. ६. लेखकाचा समकाल विद्यार्थ्यांनी समजावून घेतला. ७. लेखकाच्या इतर साहित्यकृतींचा अभ्यास करून त्याच्या वाङ्मयीन जडणघडणीचा विचार विद्यार्थ्यांनी केला. ८. विद्यार्थ्यांनी वाङ्मयीन परंपरेतील लेखकाचे योगदान समजावून घेतले.
	अभ्यासपत्रिका ७	आधुनिक मराठी वाङ्मयाचा अभ्यास	३. विद्यार्थ्यांनी स्वातंत्र्यपूर्व महाराष्ट्रातील सामाजिक, राजकीय, सांस्कृतिक जीवनाची पार्श्वभूमी समजावून घेतली. ४. स्वातंत्र्यपूर्व काळातील साहित्यप्रवाहांचा इतिहास विद्यार्थ्यांनी समजावून घेतला.
	अभ्यासपत्रिका ८.२	लोकसाहित्य व लोककला	५. विद्यार्थ्यांनी लोकसाहित्य आणि लोकसंस्कृती यांच्यातला सहसंबंध समजावून घेतला. ६. विद्यार्थ्यांनी लोकसाहित्याची संकल्पना समजावून घेतली. ७. विद्यार्थ्यांनी लोकसाहित्याच्या परंपरेची माहिती करवून घेतली. ८. लोकसाहित्याचा उगम आणि व्याप्तीबद्दल विद्यार्थ्यांनी माहिती करवून घेतली.
एम. ए. भाग - २	अभ्यासपत्रिका ९	समाजभाषा विज्ञान	१. विद्यार्थ्यांनी समाजभाषाविज्ञानाचे स्वरूप समजावून घेतले. २. विविध सिध्दांत व संकल्पनांचा अभ्यास विद्यार्थ्यांनी केला. ३. विद्यार्थ्यांनी समाज, संस्कृती आणि भाषा यांचा परस्पर संबंध समजावून घेतला. ४. विद्यार्थ्यांनी समाजभाषा विज्ञानाची

			व्याप्ती समजावून घेतली. ५. विद्यार्थ्यांनी भाषा व्यवहाराची व्याप्ती समजावून घेतली. ६. भाषासंपर्काचे स्वरूप विद्यार्थ्यांनी समजावून घेतले. ७. मराठीच्या विविध बोलींचा विचार विद्यार्थ्यांनी केला.
	अभ्यासपत्रिका १०१	वाङ्मयीन संस्कृती	१. वाङ्मयीन संस्कृती ही संकल्पना विद्यार्थ्यांनी समजावून घेतली. २. समाज आणि संस्कृती यांच्यातील संबंध विद्यार्थ्यांनी समजावून घेतला. ३. विद्यार्थ्यांनी लिखित आणि मौखिक परंपरेतील वाङ्मयीन मूल्ये समजावून घेतली.
	अभ्यासपत्रिका ११	समीक्षा सिध्दांत आणि उपयोजन	१. विद्यार्थ्यांनी उपयोजित समीक्षेचे स्वरूप समजावून घेतले. २. समीक्षा प्रवाहांचा अभ्यास विद्यार्थ्यांनी केला. ३. निवडक साहित्यकृतीचा अभ्यास विद्यार्थ्यांनी समीक्षेच्या दृष्टीने केला.
	अभ्यासपत्रिका १२.१	संस्कृती अभ्यास	१. विद्यार्थ्यांनी संस्कृती अभ्यास या ज्ञानशाखेची ओळख करवून घेतली. २. आंतरविद्याशाखीय अभ्यास पध्दतीची ओळख विद्यार्थ्यांनी करवून घेतली.
	अभ्यासपत्रिका १३	समाजभाषा विज्ञान	१. विद्यार्थ्यांनी समाजभाषाविज्ञानाचे स्वरूप समजावून घेतले. २. विविध सिध्दांत व संकल्पनांचा अभ्यास विद्यार्थ्यांनी केला. ३. विद्यार्थ्यांनी समाज, संस्कृती आणि भाषा यांचा परस्पर संबंध समजावून घेतला. ४. विद्यार्थ्यांनी समाजभाषा विज्ञानाची व्याप्ती समजावून घेतली. ५. विद्यार्थ्यांनी भाषा व्यवहाराची व्याप्ती समजावून घेतली. ६. भाषासंपर्काचे स्वरूप विद्यार्थ्यांनी समजावून घेतले.

			७ मराठीच्या विविध बोलींचा विचार विद्यार्थ्यांनी केला.
	अभ्यासपत्रिका १४१	वाङ्मयीन संस्कृती	१ वाङ्मयीन संस्कृती ही संकल्पना विद्यार्थ्यांनी समजावून घेतली. २ समाज आणि संस्कृती यांच्यातील संबंध विद्यार्थ्यांनी समजावून घेतला. ३. विद्यार्थ्यांनी लिखित आणि मौखिक परंपरेतील वाङ्मयीन मूल्ये समजावून घेतली.
	अभ्यासपत्रिका १५	मराठी समीक्षेची वाटचाल	१. विद्यार्थ्यांनी समीक्षेचे स्वरूप व परंपरा समजावून घेतल्या. २. समीक्षा प्रवाहांचा अभ्यास विद्यार्थ्यांनी केला. ३. विद्यार्थ्यांनी समीक्षेच्या दृष्टीने प्रमुख विचारांचा परिचय करवून घेतला.
	अभ्यासपत्रिका १६१	संस्कृती अभ्यास	४. विद्यार्थ्यांनी संस्कृती अभ्यास या ज्ञानशाखेची ओळख करवून घेतली. ५. आंतरविद्याशाखीय अभ्यास पध्दतीची ओळख विद्यार्थ्यांनी करवून घेतली.

महाजन

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PO,Co,PSO

B. A. I Hindi:Semester I:Paper I साहित्यजगत

CO1: छात्र हिंदी साहित्य के प्रति रुचि दिखाता है।
CO:2 छात्र विविध कवियों की विचारधारा से परिचित होता है।
CO:3 छात्र राष्ट्रीय एकात्मतामे रुचिदिखाता है।
CO:4 छात्र सामाजिक एकता में विश्वास रखता है।

B. A. I Hindi: Semester II: Paper II : साहित्यजगत

CO:1 छात्र हिंदी कवियों की विचारधारा से परिचित हो जाता है।
CO:2 छात्र विविधता में एकता का महत्व बताता है।
CO:3 छात्र सामाजिक, राष्ट्रीय कार्यों में सहभाग लेता है।
CO:4 छात्र सामाजिक समस्या, राष्ट्रीय विकास विषय पर निबंध लिखता है।

B. A. Part II Hindi: Semester III:Paper III अस्मिता मुलक विमर्श और हिंदी गद्य साहित्य

CO:1 छात्र कथा साहित्य का स्वरूप तत्व एवं प्रकारों का अध्ययन करताहै।
CO:2 छात्र समीक्षा मानदंडों के आधार पर कथा साहित्य का अध्ययन करता है।
CO:3 छात्र कथेतर साहित्य का समीक्षात्मक अध्ययन करता है।
CO:4 छात्रकथा और कथित साहित्य का वर्तमान प्रासंगिकता का अध्ययन करता है।

B. A. Part II Hindi: Semester III: Paper IV हिंदी संत काव्य तथा राष्ट्रीय काव्य धारा

CO:1 छात्र की हिंदी साहित्य के प्रति रुचि बढ़ती है।
CO:2 छात्र को मध्य काल हिंदी कवियों से परिचित होता है।

CO:3 छात्र में नैतिक मूल्य और राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण होती है।

CO:4 छात्र को आधुनिक हिंदी कविता में चित्रित विविध विमर्श से परिचित होता है।

B. A. Part II Hindi: Semester IV:Paper V- रोजगार परक हिंदी

CO:1 छात्र रोजगार उन्मुख शिक्षा एवं कौशल से परिचित होता है।

CO:2 छात्र कार्यालय और व्यवसाय में हिंदी प्रयोग का कौशल ज्ञान विकसित करता है।

CO:3 छात्र पत्राचार के स्वरूप सेपरिचित होता है।

CO:4 छात्र में हिंदी भाषा के श्रवण, पठन एवं लेखन कौशल विकसित होता है।

B. A. Part II Hindi: Semester IV:Paper VI अस्मिता मुलक विमर्श और हिंदी पद्य साहित्य

CO:1 छात्र हिंदी कवियों से परिचित होता है।

CO:2 छात्र में हिंदी भाषा के संगठन एवं लेखन की क्षमता को विकसित होती है।

CO:3 छात्र की हिंदी साहित्य के प्रति रुचि बढ़ती है तथा छात्र साहित्य की विविध विधाओं से परिचित होता है।

CO:4 छात्र में नैतिक मूल्य, राष्ट्रीय मूल्य एवं उत्तरदायित्व के प्रति आस्था निर्माण होती है।

B. A. Part III Hindi: Semester V:Paper VII- विधा विशेष का अध्ययन

CO:1 छात्रो व नाटककार की बहुमुखी प्रतिभा से परिचित होता है।

CO:2 छात्र नाटककार के साहित्य से परिचित होता है।

CO:3 छात्रनाटककार की विचारधारा को प्रस्तुत करता है।

CO:4 छात्र नाटककार के ग्रंथों का आलोचनात्मक विवरण करता है।

B. A. Part III Hindi: Semester V:Paper VIII- साहित्य शास्त्र

CO:1 छात्र साहित्य निर्मिती की प्रक्रिया का बोध करता है।

CO:2 छात्र काव्य के विभिन्न अंगों व भेदों से परिचित होता है।

CO:3 छात्र समीक्षा सिद्धांतों का वर्णन करता है।

CO:4 छात्र साहित्य तत्वों को स्पष्ट करता है।

B. A. Part III Hindi: Semester V:Paper IX- हिंदी साहित्य का इतिहास

CO:1 छात्र हिंदी भाषा साहित्य विकास से परिचित होता है।

CO:2 छात्र इतिहासकारों द्वारा प्रस्तुत काल विभाजन और नामकरण को प्रस्तुत करता है।

CO:3 छात्र हिंदी के संत कवि उनकी रचना की आलोचना करता है।

CO:4 छात्र आदि काल से लेकर आधुनिक काल के कवियों की विचारधारा को जीवन में इस्तेमाल करता है।

B. A. Part III Hindi: Semester V:Paper X- प्रयोजनमूलक हिंदी

CO:1 छात्र हिंदी में कार्य करने की रुचि रखता है।

CO:2 छात्र पारिभाषिक शब्दावली परिचित होता है।
CO:3 छात्र रोजगार उन्मुख शिक्षा एवं कौशल्य प्राप्त करता है।
CO:4 छात्र जनसंचार एवं इलेक्ट्रॉनिक माध्यमों का उपयोग बताता है।

B. A. Part III Hindi: Semester V:Paper XI- भाषा विज्ञान और हिंदी भाषा

CO:1 छात्र भाषा के विविध रूपों से परिचित होता है।
CO:2 छात्र हिंदी भाषा एवं लिपि उद्भव और विकास से परिचित होता है।
CO:3 छात्र भाषा की शुद्धता के प्रति जागरूकता से कार्य करता है।
CO:4 छात्र मानक हिंदी वर्तनी का लेखन में प्रयोग करता है।

B. A. Part III Hindi: Semester VI: Paper XII- विधा विशेष का अध्ययन

CO:1 छात्र उपन्यास के तत्व स्वरूप से परिचित होता है।
CO:2 छात्र उपन्यासकार के व्यक्तित्व एवं कृतित्व से परिचित होता है।
CO:3 छात्र का रचना विशेष का महत्व समझने एवं मूल्यांकन करने की क्षमता रखता है।
CO:4 छात्र पाठ्यक्रम में निर्धारित उपन्यास की प्रासंगिकता को स्पष्ट करता है।

B. A. Part III Hindi: Semester VI: Paper XIII- साहित्य शास्त्र और हिंदी आलोचना

CO:1 छात्र साहित्य निर्मिती प्रक्रिया से परिचित होता है।
CO:2 छात्र साहित्य की विधाओं से परिचित होता है।
CO:3 छात्र समीक्षा सिद्धांत का साहित्य में प्रयोग करता है।
CO:4 छात्र काव्य के तत्व स्पष्ट करता है।

B. A. Part III Hindi: Semester VI:Paper XIV- हिंदी साहित्य का इतिहास

CO:1 छात्र हिंदी भाषा साहित्य विकास से परिचित होता है।
CO:2 छात्र इतिहासकारों द्वारा प्रस्तुत काल विभाजन और नामकरण को प्रस्तुत करता है।
CO:3 छात्र हिंदी के संत कवि उनकी रचना की आलोचना करता है।
CO:4 छात्र आदि काल से लेकर आधुनिक काल के कवियों की विचारधारा को जीवन में इस्तेमाल करता है।

B. A. Part III Hindi: Semester VI:Paper XV- प्रयोजनमूलक हिंदी

CO:1 छात्र हिंदी में कार्य करने की रुचि रखता है
CO:2 छात्र पारिभाषिक शब्दावली परिचित होता है।
CO:3 छात्र रोजगार उन्मुख शिक्षा एवं कौशल्य प्राप्त करता है।
CO:4 छात्र जनसंचार एवं इलेक्ट्रॉनिक माध्यमों का उपयोग बताता है।

B. A. Part III Hindi: Semester VI: Paper XVI- भाषा विज्ञान और हिंदी भाषा

CO:1 छात्र भाषा के विविध रूपों से परिचित होता है।
CO:2 छात्र हिंदी भाषा एवं लिपि उद्भव और विकास से परिचित होता है।
CO:3 छात्र भाषा की शुद्धता के प्रति जागरूकता से कार्य करता है।
CO:4 छात्र मानक हिंदी वर्तनी का लेखन में प्रयोग करता है।छात्रव्याकरण के प्रति सजगता दर्शाता है।

PSOs for B.A. – Hindi

PSO: 1हिंदी में जानकारी को समझने, पढ़ने, लिखने और संप्रेषित करने में सक्षम
PSO: 2 छात्र रोजगार उन्मुख शिक्षा एवं कौशल से परिचित होता है।
PSO: 3 हिंदी में जानकारी को समझने, पढ़ने, लिखने और संप्रेषित करनेमें सक्षम
PSO: 4 नैतिक मूल्यों, नैतिकताओ,सामाजिक जिम्मेदारियों के बारे में जागरूक।
PSO: 5 छात्र साहित्य निर्मिती की प्रक्रिया का बोध करता है।
PSO: 6 छात्र आदिकाल से लेकर आधुनिक काल के कवियों की विचारधारा को जीवन में इस्तेमाल करता है।
PSO: 7 छात्र का रचना विशेष का महत्व समझने एवं मूल्यांकन करने की क्षमता रखता है।
PSO: 8 छात्र पाठ्यक्रम में निर्धारित उपन्यास की प्रासंगिकता को स्पष्ट करता है।
PSO: 9 छात्र समीक्षा सिद्धांत का साहित्य में प्रयोग करता है।
Life Long Learning Course हिंदी अनुवाद कोर्स

हिंदी अनुवाद कोर्स का मुख्य उद्देश्य छात्रों को अंग्रेजी से हिंदी और मराठी से हिंदी में अनुवाद में कौशल हासिल करने में सक्षम बनाना है। यह कार्यक्रम हमारे सामाजिक-सांस्कृतिक और व्यावसायिक क्षेत्रों में अनुवाद की आवश्यकता को ध्यान में रखते हुए तैयार किया गया है।

CO:1 छात्र अनुवाद का महत्व समझता है।

CO:2 छात्र हिंदी, मराठी तथा अंग्रजी भाषा का ज्ञान प्राप्त करता है।

CO:3 छात्र विचार विनिमय के लिए भाषा व्याकरण का महत्व स्पष्ट करताहे।

CO:4 छात्र भाषिक कौशल्य को भाषा में इस्तेमाल करता है।

HOD.
Hindi Dept.

Dr. K. S. Chougule
Chairman

DnyangangaShikshanPrasarakMandal, MalwadiSanchalit,
Shripatrao Chougule Arts and Science College,
Malwadi-Kotoli Tal.Panhala, Dist. Kolhapur
NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao Chougule (Dada)

Department of English

PROGRAMME OUTCOMES:

After completion of this programme students will be able to:

POI: Comprehend the basic concepts, fundamental principles and various theories in their relevant subjects.

PO2: Develop scientific temper with respect to subjects of study in all aspects related to human life.

PO3: Integrate learning skills and knowledge derived from the study of their respective subjects, by acquiring the profound knowledge in the field.

PO4: Articulate and apply values, principles and ideals derived from an individual as well as integrated understanding of their areas of study.

PO5: Communicate interpretations, implications and conclusions clearly, concisely and effectively.

PO6: Sensitize the students regarding gender equality and environmental issues.

PO7: Develop employability skills by enriching linguistic competence and interpersonal skills.

POS: Analyze critically the literature in relation to social issues and appreciate the strength and suggest the improvements for better results.

PO9: Integrate study of literature and social sciences to make the life more happy and meaningful.

PO10: Imbibe basic skills in language and literature.

PROGRAM SPECIFIC OUTCOMES:

After completion of B. A. English Program the students would be able to:

PSO1: Interpret literary works and explore the scope in the field of research.

PSO2: Enhance employability of the students by developing linguistic competence

PSO3: Describe various forms of literature like prose, poetry, drama and fiction

PSO4:Use English effectively in formal and informal situations.

PSO5: Demonstrate critical and creative thinking.

COURSE OUTCOMES:

B.A. Part I Semester 1 (Paper-A)

After completion of this course the students will be able to:

Ability Enhancement Compulsory Course (AECC-1) Compulsory English (CBCS)

COI: Analyze prose and poetry as literary forms.

CO2: Demonstrate different narrative techniques in communication process.

CO3.Develop linguistic competence to communicate in real life situations.

CO3: Demonstrate proficiency in oral and written communication

B.A. Part I Semester II (Paper-B)
Ability Enhancement Compulsory Course (AECC-2) Compulsory English (CBCS)
CO4:Evaluate and justify the unique characteristics of Indian writing in English.
CO5: Imbibe the human values through the selected works.
CO6:Develop linguistic competence required for written and spoken communication.
CO7: Identify and apply various speech acts.

B.A. Part 1 Semester 1
Discipline Specific Core (DSC-A3) English Paper-I
Modern Indian Writing in English Translation (CBCS)
CO8:Interpret translated texts in Modern Indian literatures in English.
C09: Evaluate and justify the unique characteristics of Indian writing in English.
CO10: Define the spirit of the Indian writers to preserve the noble values existing in its cultural ethos..
CO11: Classify and illustrate various types of short stories.

B.A. Part I Semester 11
Discipline Specific Core (DSC-A15) English Paper-II
Modern Indian Writing in English Translation (CBCS)
CO12: Justify the relevance of the contributions of Indian English writers to the contemporary society.
CO13:Interpret critically the major works of Indian English poets anddramatists.
C014:Examine how literary work can work as a medium for cultural exchange between generations.
CO15: Describe the social, and political controversies in India during the colonial and Post colonialperids.

B.A. Part II Semester III

Ability Enhancement Compulsory Course (AECC) Compulsory English (CBCS)
CO16:Develop oral and written language proficiency of the students.
CO17:Critically examine representative samples/texts related to popular literature for differentiating cross-cultural influences.
CO 18: Develop the mechanics of writing; use of correct punctuation marks and capital letters.

B.A. Part II Semester IV

Ability Enhancement Compulsory Course (AECC) Compulsory English (CBCS)

CO20:Practice different types of traditional writing techniques as well as digital content writing.

CO21: Analyze prose and portrays literary forms.

CO22:Explaintheterminology in banking and Industry sector.

CO 23:Draft effective advertisements and Notice, Agenda and Minutes

B.A. Part II Semester III

Discipline Specific Core (DSC-C5) Paper III

Literature and Cinema (CBCS)

CO24: Analyze and interpret films through adaptation concept.

CO25: Compare and contrast the text by interpreting film and the adapted text.

CO26:Explain cinema-and its relation to culture, history and technology.

C027: Illustrate the practices of cinematic Adaptations

Part II Semester IV

Discipline Specific Core (DSC-C29) Paper IV

Literature and Cinema (CBCS)

CO28: Compare text and its film adaptation based on various techniques.

CO29: Compare and contrast textual aesthetics and Film Aesthetics

C030: Differentiate Structural elements of text and the film

C031:Draft review of the film.

B.A. Part II Semester III

Discipline Specific Core (DSC-C6) Paper V

Partition Literature (CBCS)

CO32:Explain the causes and impact of Partition on society.

CO33: Analyze short stories and Novel from perspective of Partition Literature

CO34:Summarize and contextualize the events and opinions surrounding the Partition of India.

CO35:Critically appreciate the impact of partition on society with reference to "A train to Pakistan

BA. Part II Semester IV

Discipline Specific Care (DSC-C30) Paper VI

Partition Literature (CBCN)

C036:Demonstrate the values of peace, non-violence, communal harmony and brotherhood.

CO37-Comorfund the selected rests from the Socio-Political and historical respective

CO38: Recognize and analyze the impact of Partition on women.

CO39: Discuss the plight of migrants during partition Partition

B.A. Part III Semester V

Ability Enhancement Compulsory Course (AECC-5) Compulsory English (CBCS)

CO40: Demonstrate effective use of oral and written communication skills

CO41: Develop Interview techniques for confident and efficient presentation.

CO42:Enrich soft skills required at workplaces and in real life.

CO43: Demonstrate communicative competence required for facing Competitive Examinations.

CO44: Critically examine representative samples/texts related to popular literature for differentiating cross-cultural influences.

B.A. Part III Semester VI

Ability Enhancement Compulsory Course (AECC-6) Compulsory English (CBCS)

CO45: Demonstrate linguistic competence necessary in Group Discussion.

CO46: Develop a fine literary sensibility to analyze prose and poetry

CO47: Develop the writing skill essential for note taking and note making

CO48: Acquire the process of writing content for mass publication through particular media outlets

B.A. Part III Semester V

Discipline Specific Core (DSC-E136) Paper VII

Introduction to Literary Criticism (CBCS)

CO49: Interpret literary works and develop aptitude for critical analysis.

CO50: Critically interpret representative literary texts in diverse contexts.

CO51: Describe various literary and critical movements and literary terms.

CO52: Differentiate between classical and Neo-classical critical theories.

B.A. Part III Semester VI

Discipline Specific Core (DSC-E136) Paper XII

Introduction to Literary Criticism (CBCS)

CO53:Identify and Examine critical theories of the past and the presen
C054: Explain contributions of Romantic and Victorian erities.

C055: Evaluate the contemporary critical theories.

CO56: Critically analyze poetry by identifying various poetic devices.

B.A. Part III Semester V

Discipline Specific Core (DSC-E137) Paper VIII

English Poetry (CBCS)
C054: Explain contributions of Romantic and Victorian critics.

C055: Evaluate the contemporary critical theories.

C056: Critically analyze poetry by identifying various poetic devices.

C057: Analyze the poetic expressions of thepoets from diverseSocio-cultural contexts.

C058: Trace the evolution of various poetic forms

CO59:Demonstrate comprehensive view of the Western and Eastern Poetic tradition.

CO60:Evaluate literary movements in Elizabethan and Metaphysical age in particular

B.A. Part III Semester VI

Discipline Specific Core (DSC-E137) Paper XIII
English Poetry (CBCS)
CO61:Comprehend various forms of poetry.
CO62: Critically appreciate and analyze the given poems.
C063: Analyze various elements of poetry, such as diction, tone, form, genre, imagery, figure of speech, symbolism, theme, etc.

CO64: Evaluate the role of literary movements and their impact on the literary works

B.A. Part III Semester V

Discipline Specific Core (DSC-E138) Paper IX

English Drama (CBCS)

CO65:Explain different elements of drama, its development throughout the ages.
CO66: Differentiate the representative British and Indian English Dramatists from diverse backgrounds and time span.

CO67: Explain tragedy as a type of drama.

CO68: Evaluate Relevance of Shakespearean tragedy Hamlet.

CO69: Judge Importance of Being Eamest as a farcical comedy.

B.A. Part III Semester VI

Discipline Specific Core (DSC-E138) Paper XIV

English Drama (CBCS)

CO70. Explain various elements of drama

C071 Demonstrate understanding of social and artistic movements shaping Indian theatrical tradition

CO72. Evaluate comedy as a form of drama.

C073 Critically Analyze Nagmandala by GirishKarnad as a modern drama.

CO74: Interpret Harvest as a futuristic play by Manjula Padmanabhan

B.A. Part III Semester V

Discipline Specific Core (DSC-E139) Paper X

English Novel (CBCS)

C075: Explain rise and development of novel.

CO76:Examine various aspects of novel.

C077: Explore the works of Eastern and Western eminent novelists

CO78: Interpret the implications of cultural and moral values reflected through selecte

B.A. Part III Semester VI

Discipline Specific Core (DSC-E139) Paper XV

English Novel (CBCS)

CO79:Categorize and explain various types of novel.

CO80:Explain characters in novel.

CO81: Analyze the plot, character and the techniques in the fiction.

CO82: Describe Animal Farm as satirical allegorical novella, by George Orwell
CO82: Describe Animal Farm as satirical allegorical novella, by George Orwell

CO83:Explain The Guide by R.K.Narayan as a Philosophical novel

B.A. Part III Semester V

Discipline Specific Core (DSC-E140) Paper XI

Language and Linguistics (CBCS)

CO84: Apply Hocket's theory of Human and Animal Communication system.

CO85: Apply the concepts of phonetic transcriptions, stress and intonation patterns.

CO86: Analyze the structure and parts of words.

CO87: Build vocabulary through Word Formation Processes.

CO88: Use appropriate word stress, sentence stress and elementary intonation patterns.

CO89: Interpret different levels of studying Language.

B.A. Part III Semester VI

Discipline Specific Core (DSC-E140) Paper XVI

Language and Linguistics (CBCS)

C090:Identify elements and types of clauses and phrase

CO91:Identify the co-ordination and subordination structures in sentence.

C092: Apply constituent structure Three Dimensional Model of Grammar.

C093:Identify basic and Derived structure of sentence

Master of Arts

Program Outcomes

After completion of program students will be able to:

PO1:Criticize literarylinguistic developments of different countries and different historical periods.

PO2:Comprehend major trends, movements and various critical/linguistic approaches.

PO3: Interpret and critically evaluate the literary forms.

PO4: Analyze and evaluate different varieties of written and spoken English.

PO5: Examine poem and prose stylistically.

PO6: Interpret and demonstrate literary genre's structure, narrative techniques, devices and style

Program Specific Outcomes

After completion of M. A. English Program the students would be able to:

PSO1 Compare and analyze div...

Course Outcomes:

M.A. Part-I Semester I

Core course 1: Poetry in English up to 19th century

CO1:Trace the development of verse tradition through Pindaric Ode, American Romanticism, Russian Romanticism and French Symbolist Poetry.

CO2:Recognize a specific poem in historical and social context.

CO3:Interpret and aesthetically appreciate poems.

CO4:Differentiate between implicit and explicit meaning of poems.

2: Fiction in English up to 19th century

COS: Critically appreciate fiction of different countries up to 19th Century in the light of various movements and aspects of fiction.

CO6: Examine major trends and writers in Fiction through detailed study of selected novels.

CO7: Interpret and critically appreciate the novels of the selected authors with reference to the realism (naturalism) and psychology.

CO8: Critically appreciate representative 19th century American short fiction.

Core course 3: Introduction to Modern Linguistics

CO9:Describe the nature, scope, and different branches of linguistics and pragmatics.

CO10:Identify and apply the major concepts related to Modern Linguistics

CO11:Classify, compare and contrast the branches of Linguistics.

CO27:Compare and evaluate different registers of written and spoken English and to compose an analytical composition based on it.

CO28: Analyze and categorize different types of deviation and devices of foregrounding.

CO29:Evaluate the poem stylistically and to compose an analytical composition based on it.

E2: British Neoclassical and Romantic Literature

C030:Comprehend the salient features of literature of the Neo Neoclassical and Romantic Period.

CO31:Explain the works of dramatist of Restoration period.

CO32:Critically Appreciate the significance of the rise and development of 18th Century British Fiction.

CO33:Comprehend Romanticism in British fiction.

CO34:Stylistically analyze the Neoclassical and Romantic Poetry.

M.A.Part-II semester-III

Core course 7: Drama in English up to 19th century

CO35:Explain drama as a genre of literature and compare and contrast it with other genres of literature.

CO36:Discuss the origin and development of Greek drama and learn salient features of Greek Drama and analyze the prescribed text in light of this understanding.

CO37:Explain the origin and development of Sanskrit Drama and analyze the prescribed text in the context of the salient features of Sanskrit drama.

CO38:Critically appreciate Elizabethan drama.

CO39:Examine the realist trend in drama and apply the knowledge to the prescribed text.

Core course paper 8:Critical Theories-I

CO40:Discussthehistory of literary criticism and specifically with Psychoanalytical, Marxist and Structuralist approaches.

CO41: Comprehend psychoanalytical approaches of Carl Jung and Juliet Mitchell.

CO42:Explain Marxist approaches of Baliber, Macherey and Terry Eagleton.

CO43: Comprehend Structuralist approaches of Vladimir Propp and Tzvetan Todorov.

Core course paper 9: Victorian and Early Modern Period

CO44: Describe the prominent features of Victorian and Early Modern British literature

CO44: Describe the prominent features of Victorian and Early Modern British literature.

CO45: Assess the Victorian novel through a detailed study fiction.

CO46:Critically appreciate the various trends of the 19th British Drama.

CO46:Comprehend the major trends in British Short stories.

CO47:Interpret and critically appreciate the Victorian and Early Modern British poetry.

CO48:Discuss various schools, trends and movements such as Southern Renaissance in modem American fiction.

Elective Course paper 3: Modern and Postmodern British Literature

CO48:Comprehend contemporary works of Modern and Postmodern British Literature.

CO49:Discuss literary texts both as literature and representations of modem am postmodern discourses.

CO50: Trace the development of literary histories and tradition of British Feminism, Post-war British Fiction

CO51:Explore the relation between literary texts and socio-politico cultural factors.

MA Part-11 semester-IV

Core paper: 7 Drama in English: Modern and Postmodern

CO52-Discuss reasons for rejection of realism and development of anti-realism movements in drama and apply the knowledge to analyze the prescribed test.

CO3: Examine salient features of epic theatre and evaluate the prescribed text

C054 Describe development of the theatre of the absurd and its features and examine the prescribed text

CO55 Discuss growth of drama and theater in India after independence and analyze the prescribed text in light of feminism and modernism

Core Paper Critical Dries-II

CO56 Explain the history of literary criticism and specifically with Post structural in Feminist and Postcolonial approaches.
CO57:Comprehend Poststructuralist approach of Derrida, Foucault and Umberto Eco.
CO58:Describe Feminist approach of Gilbert and Gubar.
CO59:Comprehend Postcolonial approach of Homi Bhabha.
CO60:Discuss ancient Indian aesthetic approach of Anand vardhana.

Elective E5:British Literature and Interdisciplinary Studies

C061:Discuss the role of gender studies in the selected Shakespearean tragedy.

CO62:Comprehend significant psychological issues related to the selected Shakespearean tragedy.

CO63:Explain the relationship between the selected Shakespearean tragedy and culture.

CO64: Comprehend various issues regarding film adaptations of the selected Shakespearean tragedy.

Elective E6: Interdisciplinary Studies and New Literatures

CO65: Assess various issues regarding film adaptation of Jean Rhys Wide Sargasso Sea.

CO66: Apply psychoanalytical criticism to interpret Jean Rhys Wide Sargasso Sea

CO67:Interpret the cultural issues of postcolonial societies reflected in Jean Rhys Wide Sargasso Sea.

CO68:Explain the role of gender studies in the interpretation of the prescribed text.

PRINCIPAL
Shripatrao Chougule Art's and Science College Malwad,-Kolali, Tal.Panhala, Dist.Kolhapur.

Shri. H-S. Shirsat (Assist. Prof of English)

Prof-Dr. B.N. Ravan (Head_Dept. of English)

Dr. K. S. Chougule
Chairman

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts & Science College,

Malwadi - Kotoli ,Tal. Panhala, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao Chougule (Dada)

Department of History

PROGRAM OBJECTIVES

The student will be able to

PO1:- Acquaint students with the past and present of India and the World.

PO2:- Impart a critical understanding of Indian society, economy, polity, and culture through ahistorical perspective.

PO3:- Prepare students for arrange of careers.

PO4:- Stimulate intellectual curiosity and research attitude in the students.

PO5:- Introduce the various Indian and foreign traditions of history writing.

PO6:- Describe new trends in the contest of Indian as well as world.

PO7:- Explain Socio-Eco-Political movements and civil society activities in India and Maharashtra.

PO8:- Establish a center for Historical studies, Research and Cultural heritage in near future.

Dr. Smt .U. U. Patil
Head of the Department

Shripatrao Chougule Arts and Science College Malwadi-Kotoli Tal. Panhala Dist. Kolhapur Estd 1958

Dr. V. A. Patil
Principal

PRINCIPAL
Shripatrao Chougule Arts and Science College Malwadi-Kotoli, Tal.Panhala, Dist.Kolhapur.

Program Specific Outcome (PO's)

PSO1:- Explain the basic themes, concepts, chronology and the Scope of Indian History.

PSO2:- Acquaint with ranges of issues related to Indian History that span distinct eras.

PSO3:- Explain the History of countries other than India with comparative approach.

PSO4:- Apply for various types of Competitive Examinations.

PSO5:- Critically recognize the Social, Political, Economic and Cultural aspects of History.

PSO6:- Identify how the Indian culture had been contributed to the world human civilization through the Ages.

B. A. Part III

Semester V

Course Specific Outcome (Co's)

The student will be able to

Paper Name: VII - Early India (from beginning to 4th c. BC)

CO1:- Explain the transition of humans in India from Hunters to Farmers.

CO2:- Explain the transition from Early to Later Vedic period.

CO3:- Clarify the causes for the first and second urbanizations.

CO4:- Discuss of the teachings of Gautama Buddha and Vardhaman Mahavira.

CO5:- Describe the rise and growth of the Mauryan Empire.

CO6:- Explain the salient features of Ashoka's Dhamma.

Paper Name: VIII - History of Medieval India (1206-1526 AD)

CO7:- Describe the different types of historical sources available for writing the history of medieval India.

CO8:- Explain the contributions of medieval rulers.

CO9:- Discuss of administration and economy of the Delhi sultanate & Vijayanagar Empire.

CO10:- Elucidate significant developments which took place in religion, society & Culture.

Paper Name: IX - Age of Revolutions

CO11:- Explain the causes and consequences of the Reformation.

CO12:- Discuss of the role played by Martin Luther.

CO13:- Explain the salient features of the Industrial revolution.

CO14:- Define American Revolution.

CO15:- Explain the causes, effects and major events of French Revolution.

CO16:- Explain the role of French Revolution leaders.

Paper Name: X - Political History of the Marathas (1707-1818)

CO17:- Describe the political conditions of the Marathas up to the year 1740

CO18:- Explain the role of Balaji Bajirao.

CO19:- Explain the establishment of Karveer state, political significance of the treaty of Warna and relations between Chhatrapati's of Karveer and the British.

CO20:- Explain the causes and effects of the Battle of Panipat and decline of Maratha power.

CO21:- Describe the Peshwa-Karveer-Nizam relations.

CO22:- Describe and evaluate the contribution of Chhatrapati Sambhaji I and Maharani Jijabai of Karveer.

Paper Name: XI - History: It's Theory

CO23:- Define and explain the scope of the of History.

CO24:- Describe the process of acquiring historical data.

CO25:- Explain the process of presenting and writing history.

CO26:- Explain the methods adopted for history writing.

B.A. Part -III

Semester VI

Paper Name: XII - Ancient India (From 4th c. BC to 7th c. AD)

CO27:- Describe the Political, Economic and Religious developments in early India.

CO28:- Explain the role played by Major Satavahana, Kushana, Gupta and Vakataka Kings.

CO29:- Discuss of the developments in the Post-Gupta period.

CO30:- Explain the society and culture of Ancient India.

Paper Name: XIII - History of Medieval India (1526-1707 AD)

CO31:- Describe the various sources for writing of Medieval Indian history.

CO32:- Explain the role of Medieval Indian rulers.

CO33:- Differences between the administrative and revenue system.

CO34:- Describe the nature of Industry and trade in Medieval Period.

CO35:- Explain the developments in religion, society and culture.

Paper Name: **XIV - Making of the Modern World (16th to 19th Century)**

C036:- Describe the causes and consequences of the Glorious revolution in England.

C037:- Explain the concept of Nationalism and account for its rise and spread.

C038:- Describe the unification of Italy and Germany.

C039:- Discuss of the rise, growth and impact of Imperialism.

C040:- Explain the significance of the Partition of Africa.

C041:- Describe the life and thoughts of leaders

Paper Name: **XV - Polity, Economy, and Society under the Marathas**

C042:- Describe the various sources for writing the history of the Marathas.

C043:- Explain the significant developments in the polity of the Marathas.

C044:- Describe the economic conditions.

C045:- Explain the social conditions.

Paper Name: **XVI -Methods and Applications of History**

C046:- Explain the nature of archival sources.

C047:- Clarify the recent trends in history.

C048:- Describe the application of history ni museums.

C049:- Explain the concept and scope of heritage tourism.

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

CO50:- Explain the beginnings and growth of nationalist consciousness in Maharashtra.

C051:- Explain the contribution of Maharashtra to the national movement.

C052:- Discuss the various movements of the peasants, workers, women and backward classes.

CO53:- Describe the background and events which led to the formation of separate state of Maharashtra.

Paper Name: IV - History of India (1757 to 1857)

CO54:- Acquaint the significant events leading ot establishment of the rule of East India Company.

C055:- Describe the colonial poliey adopted by the company to consolidate its rule in India.

C056:- Explain the structural changes initiated by colonial rule ni Indian economy.

C057:- Explain the various revolts against rule of the East India Company.

Paper Name: IDS Paper No. I - Social Reform India

C058:- Explain the salient features of prominent socio-religious reform movements.

C059:- Explain the thought and work of Mahatma Phule for radical transformation of Indian society.

C060:- Describe the measures taken by Rajashri Shahu Maharaj for emancipation of lower classes and women.

C061:- Explain the thoughts of Ambedkar on the annihilation of the caste system and untouchability ni India.

CO62:- Describe how the Indian constitution embodies the values of social

justice and equality.

B. A. Part II

Semester IV

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

C063:- Acquaint the contribution of eminent leaders of Maharashtra.

C064:- Describe the economic transformation of Maharashtra.

C065:- Explain the salient features of changes in society.

C066:- Explain the growth of education.

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

C067:- Explain the events related to the growth of nationalism in India.

C068:- Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi.

C069:- Explain the contribution of Revolutionaries, Left Movement and Indian National Army.

C070:- Describe the concept of Communalism and his effects on partition of India.

Paper Name: **IDS Paper No. II - Social Reform Maharashtra**

C071:- Describe the beginnings of social reforms in Maharashtra by the Paramhansa Mandali and Prarthana Samaj.

C072:- Explain the contribution of women reformers.

C073:- Explain the contribution of Social reformers in the fight for social justice.

C074:- Explain the role played by educational reforms in transformation of society.

B. A. Part I

Semester I

Course Specific Outcome (Co's)

Paper Name: I- Rise of Maratha Power (1600 - 1707)

C075:- Explain the role of the Chh. Shivaji Maharaj in Maratha Empire.

C076:- Describe the primary aim ot introduce students ot History of the rise of Maratha power.

C077:- Explain the sacrifices made by the Maratha leaders and the people to protect freedom and sovereignty of hte region.

C078:- Describe relations about the contribution of Chh. Sanmbhaji, Chh. Rajaram and Maharani Tarabi.

C079:- Critically analyze sources of Maratha History: Sanskrit, Marathi, Persian, English and Portuguese.

B. A. Part – I

Semester II

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

CO80:- Explainthe Chh. Shivaji Maharaj established Maratha state and initiated fundamental changes.

C081:- Explain the Political, Socio-economic and Cultural life of the people.

C082:- Describe the economies system agriculture industry and trade.

C083:- Critical analyze Society and religion ni Maratha period.

C084:- Describe the contribution of Chh. Shivaji Maharaj in administration, Management, Trade, Agriculture and Religion.

Department Of Political Science

PROGRAMME OUTCOMES

Students seeking admission for BA programmer are expected to imbue with following quality which help them in their future life to achieve the expected goals:

PO_1: Development of communication and translation skill and understanding of human values, the importance of criticism and the concept and process of literature by studying Marathi, Hindi and English languages.

PO_2: Creating critical approach towards economic and social problems

PO_3: Acquisition of map reading and map filling. They became familiar about the terms and concepts in Physical and human geography.

PO_4: Realization of concept of sustainable resource development at local, regional and global levels.

PO_5: Developing sociological knowledge and skill that will enable them to think critically and analyze the social issues, social structure, social institutions and social inequality.

PO_6: Inculcating values of responsible citizen.

PO_7: Creating innovative sense in their specialized discipline.

PO_8: Analyzing political socialization through political education for the students. Students get information about Democratic values such as Equality, fraternity, Liberty and Justice.

PO_9: Acquiring skills of physical education.

DEPARTMENT OF POLITICAL SCIENCE

COURSE OUTCOMES

B.A. Part - I (SEM-I)

DCS (B4) PAPER-I INTRODUCTION TO POLITICAL SCIENCE

After completion of course, students will be able to:

CO1: Define the meaning, nature and scope of political science and its application importance

CO 2: Explain the Various tradition and approaches of political theory.

CO 3: Introduce sub- disciplines of political science.

CO 4: Explain importance and views of democracy.

CO 5: Evaluate and judge challenges of democracy.

CO 6: Explain different type of democracy.

B.A. Part - I (Sem II)

DSC (B18) Paper-II Indian Constitution

CO 7: Apply constitutional values in their day to day life.

CO 8: Explain ideological bases of Indian constitution.

CO 9: Apply constitutional values in the functioning of governmental institutions.

CO 10: Acquaint with fundamental rights and awareness of fundamental duties

CO 11: Justify the democracy in judiciary role.

B.A. Part - II (Sem III)

DSC (D7) Paper III Political Process in India

CO 12: Comparison between social and economic relation and political process in India.

CO 13: Define and explain the challenges arising due to caste, class, gender and religious. Diversities and changing nature of regional issues.

CO14: Make sense of the specificities of the political process in India in the light of changes of the state practices, electoral system, representational forms and electoral behavior

CO 15: Compare before political economy.

CO 16: Develop the ability to predict Pre exit Poll

CO 17: Discuss the regionalism politics of communalism

B.A.Part- II (Sem III)

DSC (D7) Paper IV Indian Political Thought Part-1

CO 18 Develop principle based thinking about socio-political reforms.

CO 19 Define Kautilya's major theory about state.

CO 20 Explain Mahatma Phule views on state, Religion and StyashodhakSamaj

CO 21 Describe Justice M.G. Rande Thoughts on Social Reforms, Economics Ideas and Political Liberalism.

CO 22 Interpret B.G. Tilak of Cultural Nationalism.

CO 23 Explain B.G. Tilak concepts on Swarajya (Fore fold program) and Right to Resist

B.A.Part-II (Sem IV)

DSC (D35) Paper-V Local Self-Government in Maharashtra

CO 24 Discuss Historical Background of Localself-government.

CO25 Analyze Reforms for local self govt, Committee work.

CO 26 Describe Gram Panchayat, Panchayat Samiti and Zila Parishad.

CO 27 Compare Municipal Council and Municipal Corporation.

CO 28 Discuss the 73rd Constitutional Amendment Importance and Feature.

CO 29 Describe 74th Constitutional Amendment Importance and Feature.

B.A. Part-II (Sem IV)

DSC (D36) Paper-VI Indian Political Thought Part-II

CO 30 Demonstrate knowledge and understanding of concepts of Indian Political Thoughts

CO 31 Discuss concept of Swaraj referwith to M.K. Gandhi.

CO 32 Describe Thought of Jawaharlal Nehru on democratic socialism.

CO 33 Criticize concept of B.R. Amabedkar's Cast System.

CO 34 Analyze the radical Democracy and its views in Marxism with reference to M.N. Roy.

CO 35 Discuss M.N. Roy's concept of New Humanism.

B.A. Part-III (Sem V)

DSE (E-76) Paper- VII Political Theory

CO 36 Getting basic knowledge of Political Theory

CO 37 Understanding of approaches to Political Theory

CO 38 Knowing Behavioural movement in Political Science

CO 39 Acquiring knowledge about concepts of Power, Authority and Legitimacy

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B.A. Part-III (Sem V)

DSE (E-77) Paper- VIII Public Administration

CO 40 Acquiring information about various concepts in Public Administration

CO 41 Getting knowledge about Organization, its Bases, Principles and Units.

CO 42 Getting acquainted with the budgetary process in India.

CO 43 Understanding the interface between citizens and Public Administration; and other agencies in society and Public Administration.

B.A. Part-III (Sem V)

DSE (E-78) Paper- IX International Politics

CO 44 Getting acquainted with the concepts and dimension of International Politics.

CO 45 To understand main theories of International Politics:

CO 46 To know the working of international and regional organizations and the new world order that emerged after the end of cold war.

B.A. Part-III (Sem V)

DSE (E-79) Paper- X Comparative Politics

CO 47 Students will be familiar with basic theory of comparative politics

CO 48 Students be able to understand constitutionalism, federalism

CO 49 Students shall understand party system and pressure groups and its functioning.

CO 50 Students shall understand classification of political parties and pressure groups.

B.A. Part-III (Sem V)

DSE (E-80) Paper- XI Western Political Thought I

CO 51 Students will get acquainted with the western tradition from Plato to Rousseau.

CO 52 Students will understand the evolution of western Political idea.

CO 53 Students will be able to study historical aspects of western state and society

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B.A. Part-III (Sem VI)

DSE (E-201) Paper- XII Modern Political Concepts

CO 54 Student will know modern concepts such as Feminism, Multiculturalism, Environmentalism and Civil Society etc.

Co 55 This will enable students to have comprehensive idea of contemporary scenario in political science.

B.A. Part-III (Sem VI)

DSE (E-202) Paper- XIII Politics Movements in Maharashtra

CO 56 Student will know the Political System of Maharashtra.

CO 57 They will understand the process of formation of Maharashtra State

CO 58 Student will know the movements, pressure groups and political parties in Maharashtra.

CO 59 This will provide comprehensive idea of contemporary politics of Maharashtra.

B.A. Part-III (Sem VI)

DSE (E-203) Paper- XIV Foreign Policy of India

CO 60 Student will understand, 'what is Foreign Policy and what are the objectives of Foreign Policy.

CO 61 This will provide comprehensive idea of foundation of Indian Foreign Policy

CO 62 Student will come to know India's relation with super powers and neighboring countries.

B.A. Part-III (Sem VI)

DSE (E-204) Paper- XV Comparative Government (With special reference to UK & USA)

CO 63 To familiarizes students with composition, functions, and law making process of legislative bodies in UK and USA.

CO 64 To introduce the students with execution process of laws in UK and USA

CO 65 To introduce the Judicial System in UK and USA and procedure of adjudication

CO 66 Students will understand the role of Pressure Groups in the Politics of UK and USA.

B.A. Part-III (Sem VI)

DSE (E-205) Paper- XVI Western Political Thought - II

CO 67 The students will understand Political views of J. S. Mill, Karl Marx, Gramsci & Hannah Arendt

CO 68 The students will get acquinted with various aspects of state and society with western perspective.

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Assistant Professor
Department of Political Science
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Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts and Science College,

Malwadi Kotoli Tal. Panhal, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Dr. K. S. Chougule
(Anna))

Late Shripatrao
Chougule (Dada)

DEPARTMENT OF SOCIOLOGY

Programme Outcomes

After completion program student will be able to:

PO 1: Apply sociological concepts and theories the society.

PO 2: Critically evaluate explanations of human behaviors, social phenomena and social processes locally and globally..

PO 3: Explain the signification of socio-cultural dimensions in the construction of illness and medical knowledge.

PO 4: Apply of theories and concepts from classical sociological theories to develop intellectual openness and curiosity.

PO 5: Acquaint the practical knowledge of the research process like creation of research design, methods of data collection and analysis.

PO 6: Describe the various aspects of religious phenomenon.

PO 7: Discuss the students will be able to understanding the social aspects of tribal in India.

PO 8: Create the social environment better by applying the critical theoretical debates.

Dr.S.S.kuralikar

Shripatrao Chougule Arts and Science College Estd. 1998. Malwadi-Kotoli, Tal. Panhala, Dist. Kolhapur

Principal

PRINCIPAL
Shripatrao Chougule Art's and Science College Malwadi-Kotoli, Tal.Panhala, Dist.Kolhapur.

Course Outcomes

B.A.I (Sem-I) DSC B2 Paper 1

Introduction to sociology

After successful this semester students will be able to:

CO1. Apply theoretical knowledge in practical life.

CO 2. Develop knowledge and skills that will help them to think critically and analyses social issues and social institutions.

CO 3. Develop the communication skill effectively in the society.

CO 4. Simplify how social structure is created and which factors are responsible to keep it stable.

CO 5. Explain different types of society

CO 6. Define concept of culture and its elements.

B.A.1 (Sem-II) DSC B16 Paper II

Applied Sociology

CO 7. Explain August Comte and M.N. Srinivas' structural functional theory.

CO 8. Describe Karl Marx and A. R. Desai's Conflict Theory.

CO 9. Explain the various tradition and approaches types of mass media (Folk media and modern media)

CO 10. Outline about social change

CO 11. Acquaintet career opportunities social sector and social welfare departments

BA. II (Sem-III) DSC-D3 Paper-111

Social issues in India

CO 12. Discuss Nature of social issues

CO 13. Describe need for study of social issues

CO 14. Explain the communalism causes and remedies

CO 15. Explain female feticide and its remedies

CO 16. Discuss poverty, causes and remedies

CO 17. Recognize the significance of cyber crime

BA. II (Sem-111) DSC-D4 Paper-IV

Social Movements in India

CO 18. Explain Meaning and Characteristics of Social Movement

CO 19. Explain the various Elements of Social Movements

CO 20. Describe Importance of Social Movement.

CO 21. Describe Major peasant Movement (Peasant Movement, Dalit Movement and Tribal Movement)

BA. II (Sem-IV) DSC-D31 Paper -V

Gender and Violence

CO 22. Define the Meaning of Gender

CO 23. Describe nature of Gender Violence and its Major Issues

CO 24. Describe the Meaning of Domestic Violence and its Remedies

CO 25. Define the challenges arising due to Tribal, Rural and Urban Women

CO 26. Explain the Nature of Women's' Harassment

CO 27. Explain Remedies and Vishakha Guidelines Acts.

BA. II (Sem-IV) DSC-D32 Paper-VI

Sociology of Health

CO 28. Introduce to Sociology of Health

CO 29.Define Subject Matter of Sociology of Health

CO 30.Explain Importance of Sociology of Health

CO 31.Define Major Diseases in India, Its Causes and Remedies

CO 32. Explain Modern Lifestyle and Health

CO 33. Discuss Remedies on Health Problems

B.A.III Semester-V, DSE-E66 Paper-VII

Western Sociological Thinkers

CO 34. Discuss Auguste Comte's Law of Three Stages, Concept of Positivism and Social Statics and Social Dynamics

CO 35. Discuss the theory of Karl Marx's Dialectical Materialism, Theory of Class Conflict and Theory of Class Conflict

CO 36. Explain Emile Durkheim's The Study of Social Facts, Labor of Division and Theory of Suicide

CO 37. Describe the Theory of Social Action and Types of Authority

Semester-V, DSE-E67 Paper- VIII

Methods Of Social Research (Part-1)

CO 38. Explain Meaning and objectives of social research

CO 39. Recognize the significance of Scientific Steps in Social Research

CO 40. Discuss Relation between theory and fact

CO 41. Analyze the Concepts-meaning and characteristics

CO 42. Describe Importance of Quantitative and Qualitative Research

CO43. Apply the Scientific Method in Social Science Research, quantitative and qualitative approach to Research.

Semester-V. DSE-E68 Paper-IX Semester V,

POLITICAL SOCIOLOGY

CO 44. Comprehend the embeddedness of political and the social in each other.

CO 45. Explain Importance of Political Sociology

CO 46. Discribe different theoretical and conceptual issues in political sociology

CO 47. Discuss the diversity of ways in which politics operates historically and spatially to generate a more expansive notion of the realm of the political.

CO 48. Compare between state and Society in shaping politics in India both historically and analytically.

CO 49. Interpret Major Political Parties and Their Principles

Semester-V, DSE-E69-Paper-X

HUMAN RIGHTS

CO 50. Define the Human Rights

CO 51. Explain History of Human Rights in India

CO 52. Identify issues and problems relating to the realization of human rights

CO 53. Explain the nature & role of human rights in India

CO 54. Contribute to the resolution of human rights issues and problems

CO 55. Educate the society about the human rights and duties in order to create responsible citizenry

Semester-V, DSE-E70Paper-XI

SOCIOLOGY OF RELIGION

CO 56. Acquainte the knowledge in the field of Sociology of Religion.

CO 57.Identify different theories, approaches and concepts that make up the study of religion, distinguish between them and also use terms specific to the field in specific context.

CO 58. Explain Perspectives of Religion: Durkheim and Weber

CO 59. Describe Perspectives of Religion in India: Mahatma Phule and Dr. B. R. Ambedkar

CO 60. Make a link between texts and paraphrase their arguments and use these to communicate their ideas in research papers, projects and presentations.

CO 61. Encompass contemporary developments the course enables students to think about linkages between religion and society at various levels.

Semester VI DSE-E91 Paper XII

Indian Sociological Thinkers

CO 62. Outline the characteristics and dynamics of the social world, and how postclassical sociologists attempt to understand the social world.

CO 63. Discuss the relevance and limits of the contemporary theories or theoretical approaches to make sense of social reality.

CO 64. Explain the basic methodological approaches and their role in building sociological knowledge.

CO 65. Explain different of theories Indian Sociological Thinkers

Semester VI DSE-E92 Paper XIII

Methods Of Social Research (Part-II)

CO 66. Introduce the concept of conducting research and its analysis.

CO 67. Analyze the socialreality, and concepts of quantitative research.

CO 68. Differentiate between qualitative and quantitative aspects of research in terms of collection and subsequent analysis of data.

CO 69. Acquire necessary skills for employment in social research organization.

Semester VI DSE-E93 Paper XIV

Social Anthropology

CO 70. Introduce tribal society in India.

CO 71. Elaborate on meaning, nature and scope of social Anthropology.

CO 72. Explain Relation between Social Anthropology and Sociology

CO 73. Apply Field work Method and its Characteristics

CO 74. Explain Social, Economic and Religious life of Tribes

CO 75. Discuss Tribal Community in Maharashtra: Pardhi

Semester VI DSE-E94 Paper XV

Rural Sociology

CO 76. Explain the Rural social system, concept of village, characteristics of rural social society.

CO 77. Acquire rural communities, their structure, transformation and trials and tribulations in modern world.

CO 78. Engage rural communities as living societies and understand grasp they condition as human condition.CO 79. Familiar with the trajectory of theoretical conversation on rural issues and their social, political and policy implications.

CO 80. Ready for a range of academic and professional roles that may require knowledge of rural societies.

Urban Sociology

CO 81. Explain nature, scope, importance of urban sociology.

CO 82. Describe the Urban community meaning and characteristics.

CO 83. Appreciate the significance of the urbanization and its Consequences across the globe.

CO 84. Pursue higher studies in academic areas such as development and also engage in research on public policy, urban transformation and change.

CO 85. Develop critical thinking and a reflective perspective through exposure to multicultural Thought

CO 86. Enhance disciplinary knowledge, research-related skills and develop a problem-solving competence.

Program Specific Outcomes (PSO's)

B.A. in Economics

After completing the graduation in Economics, the student will be able to:

PSO 1. Outline basic concept of economy

PSO 2. Analysis economic behavior in practice

PSO 3 Find alternative approaches to economic problem

PSO 4. Explain economic way of thinking

POS 5. Create student ability to suggest solution

POS 6. Able to right in an economic point of view

Dr. K. S. Chougule
Chairman

Late Shripatrao
Chougule (Dada)

Programme Outcomes (PO's)

B.A. in Economics

After completing the graduation in Economics, the student will be able to

PO 1. Analysis poverty of employment policies

PO 2. Interpret monetary policy and fiscal policy

PO 3. Predict economic growth in five year plan

PO 4.Explain bank structure and operation on bank account

PO5. Evaluate international trade Issues

PO6. Justify knowledge of Indian economy

Dr. K. S. Chougule
Chairman

Late Shripatrao
Chougule (Dada)

B.A. in Economics
Course Outcomes(CO'S)

1. Indian Economy -I

After successfully completion of this course the students will be able to

CO1: Acquaint with structure of the Indian economy and changes taking place there in.

CO2: Analyse inclusive growth and sustainable development in Indian Economy.

CO3: Identify trend of population growth impact of population on economic growth and population policy 2000.

CO4: Express opinion on poverty and unemployment.

CO5: Analyse the problem of economic and social inequality and problems and remedies of regional imbalance in India.

CO6: Formulate the strategy for economic development. Explain concept of NI, GDP, PCI, HDI.

2 Indian Economy-II

CO7: Acquaint with the policies and performance of major sectors in Indian Economy.

CO8: Identify changing role of agriculture in Indian Economy.

CO9: Outline agricultural productivity, green revolution, agricultural pricing and procurement.

CO10: Explain need of industrialization, industrial policy since 1991,

CO11: Describe policy reforms in service sector, significance of Banks, IT, transport and tourism.

CO12: Analyze the nature, scope, challenges and opportunities of economic reforms.

3 Macro Economics - I

CO13 : Analyses concept of macroeconomics, its nature and scope.

CO14 Describe various concepts of National Income e. g. GNP, GDP, PCI, Disposable Income.

CO15 Analyse methods of measuring national income, difficulties and importance.

CO16 : Explain functions of money its theories and importance of index numbers.

CO17 Analyse Say's Law of market,Keynesion theory of employment

CO18 Describe difference between say's law and Keynesian Law

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4) Money and banking (B.A.-II) (Semester-III)

CO 19 Explain introduces students to the conceptual and practical operations of the Money, banking, financial markets and institutions.

CO 20 :Describe the operational Issues of capital and money market network along with its regulatory framework.

CO 21 :Explain the functions of Investment theories, risk analysis in investment in Financial assets.

CO 22: Explain the banking and its functioning in India.

CO 23 : Explain the important recent trends in banking system.

CO 24 : Describe history of RBI

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5 Macro Economics II

CO 25 : Explain inflation, its types, causes, effects and anti inflation policy.

CO 26: Describe trade cycles, its phases and theories.

CO 27 Explain nature and scope of public finance.

CO 28: Analyze taxation and budget policy.

CO 29 : Justify public expenditure and causes of its growth.

CO 30 : Interpret public debt, Deficit Financing and Fiscal Policy.

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6) Money and banking (B.A.-II) (Semester-IV)

CO 31 : Describe the conceptual and practical operations of the money, banking, financial markets and institutions.

CO 32: Explain the operational issues of capital and money market network along with its regulatory framework.

CO 33 : Explain the functions of investment theories, risk analysis in investment in financial assets.

CO 34 : Explain the banking and its functioning in India.

CO 35: Describe the important recent trends in banking system.

CO 36 : Able to use of e-banking services.

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7 Principles of Micro Economics I (DSE E-71)

CO 37: Explain Meaning, Nature and Scope of Micro Economics as well as its importance and limitations.

CO 38 : Framework economic analysis using economic parameters.

CO 39 : Express own views about consumer behaviour.

CO 40: Explain how to fluctuate demand and supply in market.

CO 41 : Describe various parameters related to demand and supply.

CO 42 : Explain production theories and cost-benefit analysis of the firm.

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8 Economic of Development

CO 43: Explain concept of economic development and Growth

CO 44: Explain indicators of economic development, Sustainable and green

CO 45: Identify underdeveloped economies, characteristics of underdeveloped economies, affecting factors on economic development.

CO 46: Illustrate features of economic development and status of Indian economy.

CO 47: Analyse Recardian classical approach to the development, Myrdal's theory of economic development, Rostow's stages of economic growth and balanced and unbalanced theory of growth.

CO 48: Build up resources for economic development like Human Capital, Technology, FDI, Aids etc.

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9) International Economics-I

CO 49 : Explain international trade

CO 50 : Measure the gains from international trade

CO 51 : Distinguish different rates of exchange

CO 52 : Measure the terms of trade

CO 53 : Explain the theories of international trade

CO 54 : Explain the foreign exchange control, BOP and BOT

10) Research mythology In Economics-I

CO 55: Acquaint the basic concept of research and its metrology

CO 56 : Explain the types of research

CO 57 : Describe the area of economics research

CO 58 : Define appropriate research problem

CO 59 :Analyze concept of hypothesis

CO 60 : Use methods of data collection

11) History of Economic Thoughts-I

CO 61 : Explain the basic economic ideas of various economic thinkers of the world

CO 62: Describe the development of economic thoughts

CO 63 : Analyze the origin of economics thought.

CO 64 : Evaluate classical and neoclassical economics thoughts.

CO 65 : Analyze thoughts of karl marx

CO 66 :Interpret concept of protectionism

12 Principles of Micro Economics II

CO 67: Identify the market structure.

CO 68: Analyze the economic behavior of individual firms and markets

CO 69: Explain a firm's profit maximizing strategies under different market conditions

CO 70 : Justify the factor pricing.

CO 71 : Interpret modern theory of rent.

CO 72: Compare classical and Keynesian theory of interest and risk and uncertainty theory of profit.

13 Economics of Planning

CO 73 : Illustrate economic planning and its importance in development.

CO 74 : Analyse development of planning and planning machinery in India.

CO 75 : Evaluate sectorial performance of the Indian economy.

CO 76 : Explain NITI Ayog, need for establishment, organization, objectives and work.

CO 77: Identify plan models in Indian plan period.

CO 78: Compare and analyse Indian models of economic development.

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14) International Economics-II

CO 79 : Distinguish between balance of trade and balance of payments

CO 80 : Analyse the balance of payments

CO 81: Analyse the impact of international institutions on Indian economy

CO 82: Explain trade policies in India.

CO 83 : Evaluate the international financial institutions.

CO 84 : Evaluate the foreign direct investments.

CO 85: Explain foreign exchange market.

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15) Research metrology In Economics-II

CO 86 :Explain the sampling techniques as a method of data collection

CO 87 : Use techniques of data analysis in research

CO 88 : Right research report and thesis

CO 89 : Right research proposal for grant

CO 90 : Analyse appropriate size of sampling

CO 91 : Interpret data in tabular form

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16) History of Economic Thoughts-II

CO 92: Explain the economic concepts and theories of Neo-Classical and Indian Thinkers.

CO 93: Discuss the development of economic thoughts

CO 94: Develop new classical economics thoughts.

CO 95 : Justify views of Mahatma Gandi on Swadeshi Movement

CO 96 :Analysis views of Rajarshi Shahu Maharaj

CO 97: : Justify economics thoughts of Amarty Sen

ABBRIVATIONS:

1. GNP	: Gross National Product
2. NNP	: Net National Product
3. GDP	: Gross Domestic Product
4. NPA	: Non Performing Assets
5. SEBI	: Securities and Exchange Board of India
6. FDI	: Foreign Direct Investment
7. RBI	: Reserve Bank of India
8. NBFCs	: Non-Banking Financial Companies
9. NABARD	: National Bank for Agriculture and Rural Development
10. SIDBI	: Small Industries Development Bank of India
11. NHB	: National Housing Bank
12. MSME's	: Micro, Small & Medium Enterprises
13. IMF	: International Monetary Fund
14. IBRD	: International Bank for Reconstruction and Development
15. WTO	: World Trade Organization
16. BSE	: Bombay Stock Exchange
17. NSE	: National Stock Exchange
18. ICCL	: Indian Clearing Corporation Limited

(Dr. Smt. M. H. Patil)

PRINCIPAL
Shripatrao Chougule Art's and
Science College Matwadi-Kotoli,
Tal.Panhala, Dist.Kolhapur.

Dr. K. S. Chougule
Chairman

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit,

Shripatrao Chougule Arts and Science College,

Malwadi-Kotoli Tal. Panhala, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao
Chougule (Dada)

Department of Geography

PROGRAMME OUTCOMES, PROGRAMME OUTCOMES AND COURSE OUTCOMES SPECIFIC

Students seeking admission for BA program are expected to imbue with following quality which help them in their future life to achieve the expected goals:-

PO: Development of communication skill

PO: Sense of social awareness and social virtue

PO: Creating critical approach towards social problems

PO: Realization of human values PO: Inculcating values of responsible citizen

PO: Creating innovative sense in their specialized discipline.

PROGRAMME SPECIFIC OUTCOMES

After the completion of their degree students will be able to:

PSO 1: Define the fundamental concepts in geography.

PSO 2: Justify demographic principles and patterns at regional and global scale.

PSO 3: Explain major resources, problems and remedies on it.

PSO 4: Describe physical properties of oceanic water and its importance in hydrological cycle at global level.

PSO 5: Justify the central role and importance of agricultural systems in the world.

PSO 6: Construction of map scale, projections, and map interpretation.

PSO 7: Apply various cartographic, statistical and remote sensing techniques and their application in geographical studies and research activities.

PSO 8: Acquaint skills of surveying, field work and writing a project report.

COURSE OUTCOMES
B.A. I Semi- I & II

PHYSICAL GEOGRAPHY (I)

CO 1: Identify the internal structure of the Earth.

CO 2: Describe basic terms and concepts in physical geography.

CO 3: Analyze different landforms throughout the world.

CO 4: Illustrate causes and consequences of Earthquake and volcanoes.

CO 5: Justify denudation and weathering.

CO 6: Differentiate between map and globe.

HUMAN GEOGRAPHY (II)

CO 7: Find out terms and concepts in human geography.

CO 8: Explain population growth and demographic transition mode

CO 9: Illustrate human migration and classify human settlements.

Co 10: Identify functions of urban centers.

CO 11: Categorize agriculture, its factors and problems.

CO 12: Apply dot, line and polygon through Google Earth Programme.

B.A. I Semi- III & IV

SOIL GEOGRAPHY (III)

CO 13: Define and study the scope and significance of soil as a key resource.

CO 14: Correlate the soil geography and Pedology.

CO 15: Identify the process and factors of soil formation and properties of soil.

CO 16: Classify, characterize and illustrate soil.

CO 17: Explain the concept of soil degradation and soil conservation.

CO 18: Identify the basics of soil management.

RESOURCE GEOGRAPHY (IV)

CO 19: Describe the concept of resource, its classification, scope and importance of resource geography.

CO 20: Identify major resources.

CO 21: Explain the concept of Sustainable resource development.

CO 22: Elaborate water, forest, energy and human resources and its sustainable development.

CO 23: Apply proportional circles and choropleth technique.

CO 24: Acquaint skills of making isopleth maps and dot maps.

OCEANOGRAPHY (V)

CO 25: Define and identify nature and history of oceanography as an important branch of physical geography.

CO26 : Compare the physical properties and dynamics of oceanic water.

CO 27: Classify oceanic currents and their impact on global climate, oceanic deposits and its distribution.

CO 28: Acquaint the knowledge of oceans as a storehouse of resources.

CO 29: Assess the oceanic pollution, its causes, effects and measures.

CO 30: Prepare a hypsographic curve, wind rose, isohalines and isotherms.

AGRICULTURAL GEOGRAPHY (VI)

CO 31: Evaluate different periods of agricultural evolution.

CO32: Examine the role of agricultural determinants towards agricultural regionalization through changing cropping pattern, crop combination and crop diversification.

CO 33: Classify agricultural systems.

CO 34: Assess agricultural land use theory of Von Thunen.

CO 35: Identify agricultural problems both physical and non-physical and concept of sustainable agriculture.

CO 36: Prepare line graph, bar graph, divided circle and proportional square to show geographical data.

B.A. I Semi- V & V

EVOLUTION OF GEOGRAPHICAL THOUGHT (VII)

CO 37: Describe historical evolution of geographic thought.
CO 38: Categorize the German, French, American and British schools in geography.
CO 39: Analyze paradigms of determinism v/s possibilism and systematic V/s regional geography.
CO 40: Analyze paradigms of physical Vis human geography and historical Vis contemporary geography.
CO 41: Criticize the concept of quantitative revolution and model building in geography.
CO 42: Evaluate the contemporary trends in geographical studies.

GEOGRAPHY OF INDIA (VIII)

CO 43: Identify the dimensions and physiographic of India.
CO 44: Describe of climatic seasons and drainage pattern in India.
CO 45: Classify soil and natural vegetation in India.
CO 46: Assess the impact of soil degradation and deforestation.
CO 47: Compare conventional and non-conventional power resources in India.
CO 48: Identify major agricultural products and the importance of agriculture and industry in Indian economy.

POPULATION GEOGRAPHY (IX)

CO 49: Define population geography along with relevance of demographic data.
CO 50: Describe distribution and trend of population growth in the developed and less developed countries along with population concepts.
CO 51: Categorize the dynamics of population.
CO 52: Explain the population composition in different regions of the world.

CO 53: Compare rural and urban population.
CO 54: Explain issues in population geography.

ECONOMIC GEOGRAPHY X

CO 55: Explain basic concepts and branches in economic geography
CO 56: Classify economic activities and evaluate Wegner's the location.
CO 57: Identify major manufacturing regions and special economic zones.
CO 58: Differentiate between cotton, textile, iron and steel, sugar and automobile industries.
CO 59: Classify major transportation routes
CO 60: Examine international trade of USA and India.

URBAN GEOGRAPHY XI

CO 61: Define the urban geography.
CO 62: Categorize site and situations of urban centers.
CO 63: Classify urban centers on the basis of their functions.
CO 64: Criticize morphological models of urbanization.
CO 65: Identify urban issues and urban planning.
CO 66: Differentiate between of Mumbai and Chandigarh with reference to land use and urban issues.

POLITICAL GEOGRAPHY XII

CO 67: Introduce political geography as a branch of human geography.
CO 68: Identify basic concepts in political geography.
CO 69: Examine Heartland and Rimland theories.
CO 70: Discuss about Krishna and Ganga Water Disput.
CO 71: Elaborate Sardar Sarovar Project and Chandoli Dam Project.

FUNDAMENTALS OF MAP MAKING AND MAP INTERPRETATION XIII PRACTICAL PAPER-1

CO 72: Define and classify maps.

CO 73: Construct scale and projections.

CO 74: Identify relief features and profiles.

CO 75: Interpret SOI Toposheets and IMD maps.

CO 76: Prepare different cartographic techniques.

ADVANCED TOOLS, TECHNIQUES AND FIELD WORK IN GEOGRAPHY XIV PRACTICAL PAPER-II

CO 77: Construct graphs and diagrams with the help of computer.

CO 78: Application of remote sensing technique in geography.

CO 79: Introduce about GIS and GPS in geography.

CO 80: Solve statistical problems related to geographical data.

CO 81: Prepare a plan with the help of plane table and prismatic compass.

CO 82: Acquaint skill of field work, observation of geographical phenomena and prepare a project report and study tour report.

PRINCIF
Shripatrao Chougu[illegible] Art's and
Science College K[illegible]wadi-Kolozi,
Tal.Panhala, Dist.Kolhapur.

Department of Psychology

Program Outcomes

This course is aimed at developing knowledge and understanding the principles of fields of psychology.The course gives an edge to the psychology students to enable them to inculcate the philosophies, ideologiesand methodologies of psychologist's profession. In order to fulfill this, the course covers wide range of topicspertaining to the core, supportive, interdisciplinary and elective domains of applied psychology. The course isdesigned with appropriate consistency within the papers and among the papers. Therefore, inter dependence ofthe papers is a characteristic feature of the course. The course will enable the learners to assume the role of thepsychologists for the better development of individuals and society with a positive attitude.

Course Outcomes

1.Understand the ideologies, methodologies, values and ethical principles of psychologist's practices workingin various settings with individuals and groups.

2. Strengthen the theoretical understanding, expand knowledge-base, and inculcate relevant values, attitudesand skills required for a professional psychologist through the theory and practical component of the course.

3. Develop interdisciplinary and specialized professional outlook, upheld the dignity and esteem of thepsychology profession and achieve self-actualization.

4. Inculcate the analytical ability, research aptitude and relevant skills for professional life.

5. To provide students' with in-depth training under supervised conditions in direct service models ofassessment, and therapy in order to practice as clinical psychologists.

6. Construct individual case formulations, diagnose clients, and recommend appropriate interventions. Theywill also be competent in consulting with other professionals, communicating their professional judgments,queries and concerns, and justifying their conclusions.

7. Students will develop hypotheses and design studies that appropriately and directly address a researchquestion.

Program Specific Outcomes

Department of psychology run a specialization in Counselling Psychology on Post Graduation.Counselling psychology is an integration of science, theory, and clinical knowledge for the purpose of understanding, preventing, and relieving psychologically-based distress or dysfunction and to promote subjective well-being and personal development. Central to its practice are psychological assessment, clinical formulation, and psychotherapy, although clinical psychologists also engage in research, teaching, consultation, forensic testimony, and program development and administration. In many countries, clinical psychology is a regulated mental health profession.

The field is generally considered to have begun in 1896 with the opening of the first psychological clinic at the University of Pennsylvania by Lightner Witmer. In the first half of the 20th century, clinical psychology was focused on psychological assessment, with little attention given to treatment. This changed after the 1940s when World War II resulted in the need for a large increase in the number of trained clinicians.

Since that time, three main educational models have developed in the USA

I) The Ph.D. Clinical Science model (heavily focused on research),

II) The Ph.D. Science-practitioner model (integrating scientific research and practice),

III) The Psy.D. practitioner-scholar model (focusing on clinical theory and practice).

Post Graduate study in Psychology at Penn emphasizes scholarship and research accomplishment. The first-year program is divided between courses that introduce various areas of psychology and a focused research experience. A deep involvement in research continues throughout the graduate program and is supplemented by participation in seminars, teaching, and general intellectual give-and-take. Students are admitted into the graduate program as a whole, not into specific subfields. Students and faculty are free to define their fields of interest."

Our program combines rigorous training in assessment and intervention techniques with a solid grounding in psychopathology research. Although graduates from our program will find themselves prepared for various applied and research careers, the program is designed to train students who wish to become academic clinical psychologists or research scientists.

"The mission of the program is to develop leaders in the research, dissemination, and practice of clinical science for children, youths, and their families. The field of psychological science is changing rapidly, with advances in our understanding, assessment, diagnosis, prevention, and treatment of a range of conditions. Our goal is to train the professionals who are at the forefront of these advances in research, dissemination, education, and service."

"The program is well suited to students who desire to begin an independent, structured program of clinical science research and are likely to emerge as leaders in the study of psychopathology and its treatment."

Head & Asst.Professor
Dept. of Psychology
Shripatrao Chougule
Science College, Mu

PRINCIPAL
Shripatrao Chougule Arts and
Science College Motwadi-Kotoli,
Tal.Panhala, Dist.Kolhapur.

Course Outcomes (CO)

B.A -I (Sem - I & II) Year - 2019 to 2023

FOUNDATIONS OF PSYCHOLOGY:

CO1: To makes the students familiar with the field of general Psychology.

CO2: To acquaint the students with Cognitive Process, States of Consciousness and Learning.

CO3: To acquaint the students with Memory Processes.

CO4: To acquaint the students with intelligence, motivation and emotions.

CO5: To acquaint the students with Personality.

B.A -II (Sem- III & IV)

PSYCHOLOGY FOR LIVING -III

CO6: To acquaint the students with processes of Psychology for living.

CO7: To introduce students the concept of Stress.

CO8: To acquaint the students with Understanding mental disorders.

CO9: To introduce students various Psychotherapies and their uses

SOCIAL PSYCHOLOGY -IV

CO10: To acquaint the students with processes of Social Psychology

CO11: To introduce students the concept of Social Perception.

CO12: To acquaint the students with the Self and self esteem.

CO13: To introduce student's concept of attitude formation, persuasion and cognitive dissonance.

MODERN SOCIAL PSYCHOLOGY- V

CO14: To acquaint the students with processes of liking (attraction) and sources of liking.

CO15: To introduce students the concept of Social influence Conformity and Compliance.

CO16: To acquaint the students with Understanding Prosocial Behavior.

CO17: To introduce students the concept of Aggression, its causes and control.

APPLIED PSYCHOLOGY - VI

CO18: To acquaint the students with processes of Personal control, Decision Making and Personal growth.

CO19: To introduce students the work, career, play and using leisure positively.

CO20: To acquaint the students with Making and keeping friends

CO21: To introduce students the concept of Love and Commitment.

B.A Part -III (Sem. - V &VI)

COGNITIVE PSYCHOLOGY - VII

CO22: Gain an understanding of key concepts and research techniques in cognitive psychology.

CO23: Gain an understanding of the basic processes of sensation attention and perception.

CO24: Gain an understanding of the memory processes.

CO25: Be able to broadening the horizons of cognitive psychology.

CROSS-CULTURAL PSYCHOLOGY - VIII

CO26: To acquaint students with emerging field of Cross-Cultural Psychology

CO27: To make students aware of global v/s relativistic approaches to study human behavior

CO28: To sensitize students recognize cultural aspects of individual development and socialization

CO29: To understand socio-cultural influences in development of abnormality and its treatment

CO30: To introduce the importance of multiculturalism in globalized world

CO31: To enhance understanding of indigenous psychologies

INTRODUCTION TO PSYCHOPATHOLOGY - IX

CO32: To make the students familiar with the field of Psychopathology.

CO33:To acquaint students with various perspectives of Psychopathology.

CO34: To make the students understand Anxiety and Obsessive-Compulsive Disorder.

CO35: To acquaint students with Mood Disorders and Suicide.

CURRENT TRENDS IN PSYCHOLOGY - X

CO36: To acquaint students with emerging new trends in Psychology

CO37: To make students aware of health risk behavior and their causes

CO38: To sensitize students recognize developmental factors related to criminal behavior.

CO39: To understand psychological, family and social influences in development of criminality

CO40: To introduce work carried out in the field of cyber psychology

CO41: To learn about psychological processes behind digital Usage, cyber bullying, gaming and Gambling.

CO42: To make students aware of online crimes such as scams, fraud, illegal downloads etc.

PRACTICAL-EXPERIMENTS - XI

CO43: To make the students familiar with psychological experiments.

CO44: To impart the knowledge and skills for conducting experiments and writing their reports.

CO45: To make the students familiar with some statistical methods.

CO46: To provide Practical experience through IT Software's.

B.A. Part - III (Sem. - VI)

PSYCHOLOGICAL TESTING - XII

CO47: To make the students familiar with the field of psychological testing in general.

CO48: To acquaint the students with the nature, types, applications, reliability and

CO49: To make the students to understand the nature and other description of personality tests.

COUNSELLING PSYCHOLOGY - XIII

CO50: To make the students familiar with the field of Counselling Psychology.

CO51: To acquaint students with the applications of Counselling Psychology in the field of Career, School, College Counselling and student-life services.

DEVELOPMENTAL PSYCHOLOGY- XIV

CO52: To acquaint the students with processes of change and stability through about the life span development.

CO53: To introduce students the process of birth.

CO54: To acquaint the students with emotions, self - development of Infancy and intellectual development of childhood.

CO55: To recognize students with Identity, relationship and problems of Adolescents.

CO56: To introduce students with career, health and personality development of Adulthood.

ORGANIZATIONAL BEHAVIOUR - XV

CO57: Gain an understanding of key concepts in organizational behavior.

CO58: Gain an understanding of the idea of personality, job satisfaction and leadership.

CO59: Gain an understanding of the group processes.

CO60: Be able to understand the fundamental change processes of organization

PSYCHOLOGICAL TESTS (PRACTICAL) XVI

CO61: To make the students familiar with psychological tests.

CO62; To impart the knowledge and skills for administering psychological tests and writing their reports.

CO63: To make the students familiar with some statistical methods.

CO64; To provide psychological experience Testing through IT Software.

Outcomes		
M. A. – I, Semester – I & II		
1.	Research Methods in Psychology	CO1: Students are able to understand the different methods to solve the particular problem in scientific way. CO2: Students are able to gain the fundamental knowledge about various research types. CO3: Students are able to understand the different types of research designs.
2.	Applied Cognitive Psychology	CO4: Students are able to gain knowledge about different types of memory. CO5: Students are able to apply various problem solving methods in day to day life CO6: Students are able to enhance their reasoning and decision making skill.
3.	Theories of Personality	CO7: Students are able to understand behavior process through psychoanalytic approach. CO8: Students are able to understand various Psychosocial stages of development in human life. CO9: Students are aware about human life in humanistic manner.
4.	Positive Psychology	CO10: Students aware about happiness and subjective wellbeing. CO11: Students are able to differentiate the terms of self-efficacy, optimism and hope. CO12: Students are able to develop ability to striving for stressful events with the help of resilience.
5.	Statistics In Psychology	CO13: Students are able to apply correlation and regression methods in data analysis. CO14: Students are able to gain knowledge about analysis of variance. CO15: Students are able to know the importance of Non Parametric statics in research frame.
6.	Health Psychology	CO16: Students are able to differentiate in illness and diseases and aware about physical and mental well-being. CO17: Students are able to enhance the ability of strive to stressful situation. CO18: Students are able to aware about various health issues of women's.
7.	Theories of Learning	CO19: Students are able to understand the different methods of behavior modification CO20: Students are able to develop view of simplicity of objects in learning. CO21: Students are able to gain knowledge about relationship between neurological structure and learning
8.	Practical	CO22: Students are able to design, conduct and report of Laboratory experiments. CO23: Students are able to acquire the ability to administer and interpret of psychological tests. CO24: Students are able to develop various statistical techniques using statistical software.

DEPARTMENT OF COMPUTER SCIENCE

PROGRAMME OUTCOMES

Program Specific Outcomes (PSO):

PO1: Technical Expertise: Implement fundamental knowledge of core and programming computer subjects like C programming, operating system etc. For developing effective technical and computing solutions by incorporating creativity and logical reasoning.

PO2: Successful Career: Deliver professional services and knowledge with updated new technologies like, Python, HTML, and PHP etc. in Computer science career.

PO3: Interdisciplinary and Life Long Learning: Develop Statistical, Mathematical and Electronical Computation abilities. It also develops analytical, reasoning and logical abilities of students. Undergo higher studies, certifications and technology research as per market needs.

PO4: Human Values and Ethics: Understand professional and ethical responsibilities in order to work at different positions in organization and at a societal context.

H.O.D.
Computer Science
Shripatrao Chougule Arts & Science College Malwadi - Kotoli

PRINCIPLE
SHRIPATRAO CHOUGULE ARTS AND SCIENCE COLLEGE AND MADHYAMIK VIDYALAYA MALWADI, KOTOLI
Principal

Computer Science (Semester- I)

DSC-11A: Problem Solving Using Computers

CO1: Implement function for writing the program.

CO2: Write the C code for a given algorithm.

DSC-12A: Database Management System

CO3: Understand the basic concepts of database management systems.

CO4: Apply normalization techniques to improve database

Computer Science (Semester- II)

DSC-11B: Programming Skill Using C

CO5: Manage Input/output operations in your C program.

CO6: Control the sequence of the program and give logical outputs.

DSC-12B: Relational Database Management System

CO7: Analyze a given database application scenario to use ER model for conceptual design of the database.

CO8: Understand the relational database design principles.

Computer Science (Semester- III)

DSC-C11: Web Technology

CO9: Understand the principles of web design.

CO10: Develop a modern web application that meets the current industry requirement.

DSC-C12: Object Oriented Programming Using C++

CO11: Learn how to write inline functions for efficiency and performance.

CO12: Learn how to design C++ classes for code reuse.

Computer Science (Semester- IV)

DSC-D11: Cyber Security Essentials

CO13: Understand the concept of information security management.

CO14: Learn different access control methods.

DSC-D12: Data Structure Using C++

CO15: Analyze the time and space complexities of algorithms.

CO16: Analyze and implement various kinds of searching and sorting techniques.

Computer Science (Semester- V)

DSC-21E: Core Java

CO17: Object oriented programming concepts using Java.

CO18: Understand, design, implement and evaluate classes and applets.

DSC-22E: C# Programming

CO19: This course will cover the practical aspects C#.NET framework.

CO20: Introduce the basics of OOPs and windows application program.

DSC-23E: LINUX Part 1

CO21: Allowing students to easily use any Linux distribution.

CO22: This course shall help student to learn advanced subjects in computer science practically.

DSC-24E: Python Part 1

CO23: To understand why python is useful scripting language for developers.

CO24: To learn how to use lists, tuples, and dictionaries in Python programs.

Computer Science (Semester- VI)

DSC-21F: Advanced Java

CO25: To learn database programming using Java

CO26: To study web development concept using Servlet and JSP.

DSC-22F: ASP.NET

CO27: This course will cover the practical aspects of multi-tier web based application development using the .NET Framework.

CO28: The goal of this course is to introduce the students to the basics of distributed Web application development.

DSC-23F: Linux Part- II

CO29: Structure of File systems and virtual file system is also elaborated.

CO30: This course contains details of shell programming and introduces System administration.

DSC-24F: Python Part- II

CO31: To learn how to write functions and pass arguments in Python.

CO32: To learn how to use exception handling in Python applications for error handling.

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts and Science College,

Malwadi Kotoli Tal. Panhal, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Dr. K. S. Chougule

Late Shripatrao Chougule (Dada)

DEPARTMENT OF CHEMISTRY

PROGRAMME OUTCOMES (POs)

After completion of degree program in Chemistry student should able to:

PO-1. Discuss and explain major concepts in all disciplines of chemistry

PO-2. Solve the problem and also interpret methodically, independently and draw a logicalConclusion

PO-3. Employ critical thinking and the scientific knowledge to design, carryout, record and analyze the results of chemical reaction

PO-4. Create awareness of the impact of chemistry on the environment, society, and development outside the scientific community.

PO-5. Explain green route for chemical reaction for sustainable development.

PO-6. Inculcate the scientific temperament in the students and outside the scientific community

PO-7. Use modern techniques, decent equipment and Chemistry software

PO-8. Explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions

PO-9. Identify chemical formulae and solve numerical problems.

Asst. Prof.

H.O.D.

PO-1. Use modern chemical tools, Models, Chem-draw, Charts and Equipment.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

PSO-1. Apply the knowledge of Chemistry in daily life and job place

PSO-2. Interpret the structure of the synthesized compounds

PSO-3. Explain good laboratory practices and safety

PSO-4. Apply the subjected oriented skills to society

PSO-5. Use of sophisticated instruments/equipment's

COURSE OUTCOME (COS)

After successfully completion Chemistry course, the students will be able to;

B.Sc. I Semester 1

Chemistry paper-I (Inorganic Chemistry)

CO-1. Explain the Bohr's theory of hydrogen atom and its limitations, Wave particle quality. Heisenberg uncertainty principle, Quantum numbers and their significance, Slopes of s, p and d atomic orbitals.

CO-2. Describe a) Aufbau's principle b) Hunds rule maximum multiplicity c) Paul's

exclusion principle.

CO-3. Predict the Periodicity of the elements.

CO-4. Relate the Chemical Bonding and Molecular structure

CO-5. Discuss Valence bond theory (VBT)

CO-46. Compare the Molecular orbital theory (MOT) and Valence bond theory (VBT)

Chemistry paper-II (Organic Chemistry)

CO-7. Describe Carved arrow notations, Cleavage of Bonding Homolysis and Heterolysis. Organic molecular species: Nucleophiles and electrophiles. Electronic Displacements Inductive Effect, Electrometric Effect, Resonance and Hyperconjugation effect

CO-8. Explain Reactive Intermediates, Generation, Structure, Stability and Reactions of Carbocations, Carbanion and carbon free radicals.

CO-. Predict the Nomenclature of stereoisomers: D and L., erythron and three, R and S, E and Z.

CO-10. Discuss the Aromaticity concept and predict the Aromatic, Non aromatic, Antiaromatic, Psendoaromatic compoundi

CO-11. Relate the Cycloalkanes, cycloalkanes and alkadienes

C0-11. Describe a) Photohalogenation by Catalytic halogenations c) Catalytic hydrogenation d) Effect of heat e) Reaction with hydrogen halide

B.Sc. I Semester II

Chemistry Paper-III (Physical Chemistry)

CO-19. Explain the First law of thermodynamics, Statements of second law of thermodynamics, Carnot's cycle and its efficiency, Statement of Third Law of thermodynamics

CO.20. Solve the Problem based on thermodynamics

CO-21. Discuss the Concept of standard state and standard enhalpies of formations, integral and differential enthalpies of solution and dilution.

CO-22. Compare between AG and AG, Le Chatelier's principle. Relationships between Kp. Ke and Kx for reactions insolving ideal gases

CO-23. Relate Postulates of Kinetic Theory of Gases and derivation of the kinetic gas equation. Ideal and Non ideal pres

CO-34. Illustrate Devation of real gates from ideal behavior, compressibility factor, canes of deviation. Van der Waals equation of state for real gases

CO-25. Find the Derivatins of Zero order reaction, fist order reaction, Pseudo-mimolecular reactions, second order reaction

Chemistry Paper-IV (Analytical Chemistry)

CO-13. Explain Analytical processes (Qualitative and Quantitativa), Methods of analysis (Only classification), Sampling of solids, Innids and goes, Errors, types of emons

CO-14. Decuss the Base Principle of Chromatography, Basic terms, Classification of Chromatography

CO-15. Comparison of paper chromatography and thin layer chromatography CO-16. Outline titrimenic Analysis such as Strong acid-trong base, Soung acid-weak hase

Strong base-weak acid, Cooplesonmetric titrations CO-17. Lhe and Applications Water Analysis.

CO-18. Explain the Analysis of Fertilizers
CO-18. Explain the Analyus of Fertiluers

B.Sc. Part 11 Sem. III

Chemistry paper-V (Physical Chemistry)

CO-26. Discuss Types of conductors, Conductivity, Equivalent and Molar conductivity and their variation with dilution for weak and strong electrolytes in aqueous solution

CO-27. Illustrate the conductance by using Wheatstone bridge, Kolhurausch law of independent migration of sons and its applications,

CO-28. Describe Physical Properties of Liquids

CO-29. Explain the surface phenomenon, Types and Factors affecting adsorption, Compare between physical and chemical adsorption, Adsorption isotherms Freundlich adsorption isotherm, Langmuir adsorption isotherm

CO-30. Explain third order reactions. Derivation of rate constant and Theories of reaction rates.

CO-31. Outline of Types of Nuclear radiation, properties of a, and radiations, Detection and measurement of nuclear radiations by Scimmllation and Geiger maller coumer methods

Chemistry paper-VI (Industrial Chemistry)

CO-32. Explain the basic Concepts in Indusial Chemistry

CO-33. Compare between classical chemistry and industrial chemistry

CO-34. Define the Normality, Equivalent weight, Molality, Molecular weight, Molarity, Molarity of mised solution.

CO-35. Describe the method of Size reduction Principle, Jaw crusher, ball mill, Sier Enlargement Principle, Pellet mill, tumbling agglomerators.

CO-36. Discuss the Theory of Corrosion and Electroplating

CO-37. Use and Manufacturing Paper Industry and Songs and Detergent

B.Sc. Part II Sem. IV

Chemistry paper-VII (Industrial Chemistry)

CO-38. Describe the concept in Co-ordination chemistry

CO-39. Compare between double salt and complex salt

CO-40. Find the IUPAC nomenclature of coordination compounds

CO-41. Explain the Chelation, classification and its applications

CO-42. Outline of I- Block elements and its characteristics

CO-43. Discuss the Characteristics of d-block elements with special reference to i) Electronic structure in) Oxidation states 11) Magnetic character iv) Colored ions v) Complex formation

CO-44. Find the Application of complex formation

Chemistry paper-VIII (Organic Chemistry)

CO-45. Explain the reaction and methods of Preparation of Carboxylic acids and their derivatives

CO-46. Describe the Classification, Nomenclature, structure, Methods of preparation and reactions of Amines and Diazonium Salts

CO-47. Compare the reducing and non-reducing sugars

CO-48 Discuss the Classification of carbobbydrates

CO-49. Relate the Reactivity of Carbonyl group and categorize its reactions.

CO-50. Outline of Representation of conformations of ethane and n-butane by Newman's

CO-58. Outline of Representation of confirmations of ethane and n-butane by Newman's Projection Ramula, Energy profile diagram

B.Sc. III Semester-V

Chemistry Paper-IX (Inorganic Chemistry)

CD-57. Find the meaning of various terms involved in Acids and Bases

CO-58. Describes the shapes of d-orbital

CO-59. Discuss the Applications of Semiconductor and Superconductors

CO-60. Explain the mechanism involved in Organometallic Compounds

CO-61. Explain the homogenous catalysis and heterogeneous catalysis

CO-62. Identify the high spin and low spin complexes

Chemistry Paper-X (Organic Chemistry)

CO-63. Describe the introduction and applications of Spectroscopy and its different type.

CO-64. Identify the vibrational frequencies of fundamental group region in IR Spectrum

CO-65. Define Chemical shift and Coupling constant.

CO-66. Explain the principle and splining pattern of organic compounds in NMR spectrum

CO-67. Explain the principle, Types and applications of mass spectroscopy

CO-68. Solve the problem based on UV, NMR and IR

Chemistry Paper-XI (Physical Chemistry)

CO-51. Describe Heisenberg Uncertainty Principle, concept of energy operator, particle in one dimensional box.

CO-52. Define Quantam theory, explam Schrodinger wave equation, emf measurement and ins application

CO-53. Analyze electromagnatic spectrum, Raman Spectra compare and contrast rotational specra, vibrational spectra, vidrational Raman spectra and rotational Raman spectra of diatonic molecule.

CO-54. Explam Photochemical Laws, mactions and various Photochemical Phenomena

CO-55. Explain the ideal and non ideal solutions. Vapour pressure and Temperature diagrams of immiscible liquids.

CO-56. Represent the electrodes and cells.

Chemistry Paper-XII (Analytical Chemistry)

CO-69. Explain the different types of Precipitation Techniques

CO-70. Diseuss the applications of organic precipitants

CO-71. Explain the Principle of flame photometry.

CO-72. Design the experimental set up for flame photometry

CO-73. Compare the Colorimetry and spectrophotometry.

CO-74. Explain the concept of Quality control

CO-75. Describe the principle and instrumentation of different Chromatographic techniques

B.Sc. III Semester-VI

Chemistry Paper-XIII (Inorganic Chemistry)

CO-75. Explain SN and SN reactions for inert and labile complexes

CO-76. Describe the Thermodynamic and Kinetic aspects of metal complexes

CO-77. Discuss the Nuclear reactions and energetic of nuclear reactions.

CO-78. Use of Thorium, Uranium and Plutonium in atomic energy.

CO-79. Compare between lanthanide and actinides

CO-80. Predict Biological role of alkali and alkaline earth metal ions with special reference to

Na, Ca, K

Chemistry Paper-NIV (Organic Chemistry)

CO-81. Use and application Lithium aluminium hydride, Raney Nickel, Oumium tetraoxide.

Selenium dioxide Dicyclohexyl Carbodiimide, Diazomethane

CO-82. Explain the Dizis Alder maction, Meerweio-Pandorff-Verley reduction, Hofirane reaction, Wittig reaction, Wagner-Meerwen rearrangement, Baeyer Villiger oxidation.

CO-83. Discuss the Retrovynthesis of different Molecules.

CO-54. Describe Electroplalic addaion to C-Cand-C-C-bonds

CO-85. Explain Synthetic route and uses of ethambutal, phenoturbintese, isoniazide, benzocaine, Chloramphenicol, paludrine

CO-86. Describe the synthetic and analytical evidence of Alkalonda, Terpenoids.

Chemistry Paper-XV (Physical Chemistry)

CO-87. Discuss Gibbs phase rule, Phase diagram, true and metastable equilibria

CO-88. Compare one component systems and two component systems

CO-89. Describe the concept of Thermodynamics and its applications

CO-90. Explain the different State of solid, Laws of crystallography, Weiss indices and Miller indices

CO-91. Solve the Numerical problems based on Derivation of Bragg's equation.

CO-92. Predict the Simultaneous reactions sach at Opposing reaction, Side reaction, Conseestive reactions, Chain reaction, Esplosive reaction

Chemistry Paper-XVI (Industrial Chemistry)

CO-93. Discuss Manufacture of cane sugar in India and other by products

CO-94. Expium the physico-chemical principle in Manufacture of Industrial Heavy Chemicals.

CO-95. Describe the Classification and appiscanons of Synthetic Polymers

CO-96. Synthesis and characterization techniques of Nanomaterials

CO-97. Explain the role of Petroleum industry and eco-friendly fuels

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts and Science College,

Malwadi Kotoli Tal. Panhal, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Dr. K. S.
Chougule (Anna)

Late Shripatrao
Chougule (Dada)

Department of Physics

Program Outcome

After the successful completion of programme, students will be able to…

PO1: Interpret physical information in verbal, mathematical and graphical manner.

PO2: Explain methodology related to Physics.

PO3: Use of skills required to gather information from resources and use them.

PO4: Give need based education in physics of the highest quality at the undergraduate level.

PO5: Design the experiments and interpret the results of observation

Produce an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.

PO5: Use Information Communication Technology to gather knowledge.

H.O.D

H. O. D
Physics
Shripatrao Chougule Arts & Science
College, Malwadi - Kotoli

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts and Science College,

Malwadi Kotoli Tal. Panhal, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Dr. K. S. Chougule (Anna)

Late Shripatrao Chougule (Dada)

Department of Physics

Course Outcome

B. Sc. I Semester I (with effect from 2018-19)

Physics Paper I: DSC A1 MECHANICS I

By the end of this Course students will be able to:

CO1: Recognize scalar and vector physical quantities.

CO2: Apply the ordinary differential equations to physical problems.

CO3: Recite the Newton's laws of motion.

CO4: Describe the conservation of momentum and energy and related physical phenomenon.

CO5: Define the rotational motion, moment of inertia and able to determine the M. I. of various systems in rotational motion.

Physics Paper II: DSC A2 MECHANICS II

By the end of this Course students are able to:

CO6: Apply the gravitational laws to a physical problem.

CO7: Describe simple harmonic motions in nature and solve their equations

CO8: Explain the properties of matter (eg elasticity and surface tension) and apply this knowledge to physical problem.

B. Sc. I Semester II

Physics paper III: DSC B1 ELECTRICITY AND MAGNETISM I

CO9: By the end of this Course students are able to:

CO10: State, prove and apply Gauss, Stokes and Greens theorems to various physical problems

CO11: Explain the concept of the electrostatic field, potential and determine the same for different physical bodies.

CO12: Explain the concept of capacitor and its types.

CO13: Apply the concept of Energy in electrostatic field.

Physics Paper IV: DSC B2 ELECTRICITY AND MAGNETISM II

By the end of this Course students are able to:

CO14: Explain the concepts of A. C. circuits.

CO15: Describe the magnetic effect of electric current and different magnetic materials. Modify how different energies will covert in to electrical energy using magnetic field.

CO16: Analyze and apply Maxwell's equations to various physical systems.

B.Sc-II (CBCS) Semester- III

PAPER-V: DSC C1 THERMAL PHYSICS AND STATISTICAL MECHANICS-1

By the end of this Course students are able to:

CO17: Outline the kinetic theory of gases, interpretation of temperature and different types of thermometers.

CO18: Describe the transport phenomenon viz. viscosity, thermal conductivity and

CO19: Diffusion in gases Describe thermo-dynamical state, thermodynamic equilibrium, various thermodynamic processes and first law of thermodynamics.

CO20: Discuss second and third laws of thermodynamics, Carnot's theorem, working of Carnot's engine, Otto engine and diesel engine and concept of entropy.

PAPER-VI: DSC C2 WAVES AND OPTICS-I

By the end of this Course students are able to:

CO21: Determine SHM and its solution, superposition principle and Lissajous figures and their uses, Simplify travelling and standing waves on a string, plane waves and spherical waves.

CO22: Analyze transducers and their types concept of acoustics of buildings, Sabine's experimental work and reverberation time.

CO23: Explain the Piezo-electric effect, detection of Ultrasonic waves and applications of ultrasonic waves.

B.Sc-II (CBCS) Semester- IV

Paper VII: DSC DI THERMAL PHYSICS AND STATISTICAL MECHANICS-II

By the end of this Course students are able to:

CO24: Explain the concept of thermodynamics potentials and relations among them. Apply the theory of radiation to Plank's law, Wein's displacement law.

CO25: Explain the concept of classical statistics such as macro and microstate, probability distribution.

CO26: Differentiate between statistics viz. quantum statistics such as MB, FD and BE statistics.

Paper VIII: DSC-D2 WAVES AND OPTICS-II

By the end of this Course students are able to:

CO27: Explain the concept of cardinal points and formation of image in optical system.

CO28: Apply the knowledge of resolving power of an optical system to determine R.P. of prism and grating.

CO29: Justify the concept of interference and diffraction and its applications.

CO30: Determine the use of polarization of light and its characteristics and application.

B. Sc. III Semester V

PAPER IX: DSC E1 MATHEMATICAL PHYSICS

By the end of this Course students are able to:

CO31: Discuss different types of differential equations and their solutions.

CO32: Explain the Frobenious methods to solve mathematical equations.

CO33: Explain different special integrals in mathematics. Explain the complex variables and their analysis.

PAPER X: DSC E2 QUANTUM MECHANICS

By the end of this Course students are able to:

CO34: Discuss the idea of wave function &uncertainty relations.

CO35: Explain the Schrodinger's equations.

CO36: Use of different operators in quantum mechanics.

CO37: Solve the problems on barrier potential well, one and three dimensional potential well.

PAPER XI: DSC E3 CLASSICAL MECHANICS AND CLASSICAL ELECTRODYNAMICS

By the end of this Course students are able to:

CO38: Define the meaning of force, constraints and Newton's laws of motions.

CO39: Create about formulation of Lagrangian equation of motion and solution of problems.

CO40: Formulate the Hamilton's equation of motion and solution of problems.

CO41: Explain concept of Special theory of relativity.

CO42: Explain the basic concepts about Electrodynamics and Electromagnetic w

B. SC. III SEM VI

PAPER XIII: DSC F1 NUCLEAR AND PARTICLE PHYSICS

By the end of this Course students are able to:

CO43: Explain the size of nucleus and all its properties.

CO44: Apply various method of accelerating various types of particles.

CO45: Discuss the construction and working of Nuclear Detectors.

CO46: Classify the elementary particles.

PAPER XIV: DSC F2 SOLID STATE PHYSICS

By the end of this Course students are able to:

CO47: Develop clear concept of the crystal classes and symmetries. Explain the relationship between the real and reciprocal space.

CO48: Acquire ability of calculating the Braggs conditions for X-ray diffraction in crystals.

CO49: Discuss electronic and vibrational properties of solid state systems.

CO50: Apply Band theory of solids and uses it in different physical phenomenon.

CO51: Design, construction, working and applications of IC 555.

PAPER XV: DSC F3 ATOMIC, MOLECULAR SPECTRA & ASTRONOMY AND ASTROPHYSICS

By the end of this Course students are able to:

CO52: Develop basic understanding of physics of atoms and molecules: definitions, units, laws and rules.

CO53: Identify atomic effect such as Zeeman Effect, Paschen-Back effect and Raman effect.

CO54: Explain basic concepts of Astronomy & Astrophysics

CO55: Analyze the spectra of diatomic molecules such as electronic, rotational, Vibrational spectra

PAPER XVI: DSC F4 ENERGY STUDIES AND MATERIAL SCIENCE

By the end of this Course students are able to:

CO56: Explain basics of renewable energy sources viz. solar energy, wind energy and biomass energy.

CO57: Design and working of wind turbine generator unit, solar panel, biogas plant.

CO58: Describe conversion of solar energy into electric energy using photovoltaic cell, solar PV system and solar panels.

CO59: Synthesize the materials and their properties in the form of superconductor. Produce the materials in nano-forms and their synthesization methods.

H.O.D

H. O. D
Physics
Shripatrao Chougule Arts & Science
College, Malwadi - Kotoli

DEPARTMENT OF MICROBIOLOGY

PROGRAMME OUTCOME

After successfully completion of three year degree program in Science students are able to:

PO -1) To make the students knowledgeable with respect to the subject and its practicable applicability.

PO-2) To promote understanding of basic and advanced concepts in Microbiology.

PO-3) To expose the students to various emerging areas of Microbiology.

PO-4) To prepare students for further studies, helping in their bright career in the subject.

PO-5) To expose the students to different processes used in industries and in research field.

PO-6) To develop their ability to apply the knowledge of Microbiology in day to day life.

PO-7) Acquired knowledge and understanding of the microbiology concepts as applicable to diverse areas such as medical, industrial, environment, genetics, agriculture, food and others.

PO-8) Demonstrate key practical skills/competencies in working with microbes for study and use in the laboratory as well as outside, including the use of good microbiological practices.

Asst. Prof

Prin.
H.O.D.

H. O. D
Microbiology
Shripatrao Chougule Arts & Scienc...
College, Malwadi - Kolhapur

COURSE OUTCOME

B.Sc-I

SEMESTER- I

Paper – I (DSC 25 A)

Introduction to Microbiology

CO-1) To develop a good knowledge of the development of the discipline of Microbiology and the contributions made by prominent scientists in this field.

CO-2)To develop a very good understanding of the characteristics of different types of microorganisms, methods to organize/classify these into and basic tools to study these inthe laboratory.

CO-3) To explain the useful and harmful activities of the microorganisms and scope of different branches of Microbiology.

CO-4) To describe characteristics of bacterial cells, cell organelles and various appendages like capsules, flagella or pili.

Paper – II (DSC 26 A)

Basic Techniques in Microbiology

CO -5) To study the staining techniques for the observation of bacteria and bacterial cell components

CO-6) To study the working principle, handling and use of microscopes for the study of microorganisms

CO-7) To understand the principles of sterilization and disinfection of culture media,glassware and plastic ware and other objects to be used for microbiological work.

SEMESTER- II

Paper - III (DSC 25 B): Bacteriology

CO-8) To describe the nutritional requirements of bacteria and other microbes which grow under extreme environments.

CO-9) To understand the basic laboratory experiments to isolate, cultivate and differentiatebacteria

CO-10) To study the preservation of bacteria in the laboratory.

Paper - IV (DSC 26 B): Microbial Biochemistry

CO-11) To develop a very good understanding of various biomolecules which are required for development and functioning of a bacterial cell.

CO-12) To develop the knowledge of how the carbohydrates make the structural and functional components such as energy generation and as storage food molecules for the bacterial cells

CO-13) To make well conversant about multifarious structures and functions of proteins, enzymes, lipids and nucleic acids.

CO-14) To differentiate the concepts of aerobic and anaerobic respiration and how these are manifested in the form of different metabolic pathways in microorganisms.

PRACTICAL COURSE

Paper I &II: Introduction to Microbiology and Basic Technique in Microbiology

CO-15) To understand the basic techniques in Microbiology laboratory.

CO-16) To study the working principle, handling and use of compound microscope for the study of microorganisms.

CO-17) To study the simple and special staining techniques for the observation of bacteria and bacterial cell components.

CO-18) To understand the working principles and applications various equipment'sin Microbiology laboratory

CO-19) To study the preparation, sterilization and use of various culture media.

Paper III & IV: Bacteriology and Microbial Biochemistry

CO-20) To understand the basic laboratory experiments to isolate and cultivate.

CO-21) To study various biochemical tests used to differentiate bacteria.

B.Sc. Part II (Microbiology)

SEMESTER-III

Paper V C-9-DSC- 5: Microbial Physiology & Metabolism

CO-22) To make the students to learn concepts of microbial physiology.

CO-23) To develop[a good understanding regarding effect of environmental factors on growth of microorganisms

CO-24) To understand the mechanism of transport across microbial cellmembrane.

CO-25) To clear he basic concept of microbial metabolism.

Paper VI C9-DSC- 6 : Applied Microbiology

CO-26) To develop the knowledge regarding air microflora and its role and analysis.

CO-27) To study water microbiology, water analysis and its purification and disinfection.

CO-28) To study milk microbiology and quality control of milk.

CO-29) To learn the basic understanding of industrial microbiology.

SEMESTER-IV

Paper VII C-5-:DSC- 7 : Microbial Genetics & MolecularBiology

CO-30) To learn the basic concepts of Microbial genetics.

CO-31) To gain knowledge regarding types of mutation.

CO-32) To demonstrate the model of gene transfer in bacteria.

CO-33) To gain the knowledge about DNA repair and Lac operon.

Paper-VIII

C5: DSC- 8 : Basics in Medical Microbiology &Immunology

CO-34) To learn about basic concept of medical microbiology.

CO-35) To make aware students about disease.

CO-36) To understand the defense mechanism of vertebrate body.

CO-37) To learn about concept of antigen and antibody.

PRACTICAL COURSE (Paper V& VI)

Practical Course III

CO-38) To understand basic techniques n special staining.

CO-39) To study the biochemical characteristics of different microorganisms.

CO-40) To study the effect of environmental factors of Microorganisms.

B.Sc (Part-III)

SEMESTER V

COURSE IX DSE - E 49 VIROLOGY

CO-41) Can describe the structure and replication of viruses

CO-42) Can achieve basic knowledge on virus cultivation

CO-43) Can describe basic methods used for diagnosis of viral diseases

COURSE X : DSE - E 50 – IMMUNOLOGY

CO-44) Define the functions of the immune system.

CO-45) Distinguish between innate immunity and acquired immunity.

CO-46) Understand the Structure and Function of the molecules, cells, anorgans involved In Immunity.

CO-47) Describe how cell mediated and antibody-mediated immunity work to protect a host from Explain how the immune system recognizes foreign antigen and the significance of.

COURSE XI : DSE - E 51 FOOD AND INDUSTRIAL MICROBIOLOGY

CO-48) Describe broadly the various kinds of microorganisms.

CO-49) Describe the central roles of microorganisms in nature, and the importance of microorganisms in industries and in food preservation.

CO-50) Apply the microbiological knowledge to evaluate and judge the effects of other physical or chemical processes on the microbial status and the quality of products.

CO-51) Measure, quantify and describe a microbial population.

COURSE XII : DSE - E 52 – AGRICULTURALMICROBIOLOGY

CO-52) The students will be able to identify the types of plant diseases affecting crops.

CO-53) They will be able to isolate different type of microorganisms from there natural source like PSB,Azotobacter,Rhizobium and formulate bioinoculant.

SEMESTER VI

Course XIII DSE F49: MICROBIAL GENETICS

CO-54) To understand mechanisms of gene transfer, expression and regulation.

CO-55) To comprehend the types and effects of mutations and recombination.

COURSE XIV DSE F50: MICROBIAL BIOCHEMISTRY

CO-56) To understand the energetics and biochemistry of metabolic pathways.

CO-57) Students will gain knowledge of energy transfers and biomolecule.

COURSE XV DSE F51: ENVIRONMENTAL MICROBIOLOGY

CO-58) To understand the role of microorganisms as agents of environmental change.

CO-59) To use microorganisms as indicators of alteration of an ecosystem.

CO-6O) To know and understand the role of microbes in the environment and evaluation of anthropogenic activities on pollution, climate change as well as environmental protection.

COURSE XVI DSE F52: MEDICAL MICROBIOLOGY

CO-61) Students will be able to correlate disease symptoms with causative agent, isolate and identify pathogens.

CO-62) They will gain knowledge of mechanism of action of antimicrobial drugs and prophylaxis.

Dr. K. S. Chougule (Anna)
Chairman

Dnyanganga Shikshan Prasarak Mandal, Malwadi Sanchalit

Shripatrao Chougule Arts and Science College

Malwadi Kotoli, Tal. Panhal, Dist. Kolhapur

NAAC Accredited 3rd Cycle – CGPA – 2.73 (B+)

Late Shripatrao
Chougule (Dada)

DEPARTMENT OF ELECTRONICS

Program Outcomes (POs) :

- **PO-1** :Foster the acquisition of comprehensive knowledge in Electronics science and technology among students.
- **PO-2** :Facilitate students in staying updated with the latest trends and developments in the field of Electronics.
- **PO-3** :Create opportunities for students to pursue careers as researchers and developers, fulfilling the specific demands of the electronics industry.
- **PO-4** :Enable students to effectively formulate, analyze, and solve real-life problems encountered in the electronics industry.
- **PO-5** :Students are encouraged to apply their theoretical knowledge practically.

Program Specific Outcomes (PSOs) :

- **PSO 1** : Apply the knowledge of Electronics in daily life & work place.
- **PSO 2** :Apply the subject oriented skills to society.
- **PSO 3** : Provide knowledge about semiconductors, digital electronics, communication electronics, Microcontrollers.
- **PSO 4** :Apply the knowledge about embedded system, PLC, PIC & antenna's.
- **PSO 5** :Describes the concepts of Robotics.

H. O. D
Electonics
Shripatrao Chougule Arts & Science
College, Malwadi - Kotoli

Teacher Incharge

Course Outcomes (COs) :

❖ B.Sc I Semester I (with the effect from 2022-23)

Electronics Paper-I (Basic Electronics DSC09A)

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

- **CO-1 :** To study basic knowledge of Electronics.
- **CO-2 :** To study basic knowledge of basic components.
- **CO-3 :** Select the right electronic parts according to the application's & requirements.
- **CO- 4 :** Simplify various electronic circuits by utilizing network theorems.
-

Electronics Paper-II (Semiconductor Devices DSC10A)

- **CO- 5 :** Understand the semiconductor material and working principals
- **CO- 6 :** Understand the operating concepts and governing principles of semiconductor diodes.
- **CO- 7 :** Understand the working of Bipolar junction transistor and basic parameters.
- **CO- 8 :** Understand the working principal of Bipolar Junction Transistor (BJT), UJT.SCR DIAC and TRIAC.

❖ B.Sc I Semester II

Electronics Paper-III (Basic Digital Electronics DSC09B)

- **CO-9 :** Learn multiple number systems and become proficient in their conversions.
- **CO-10 :** Learn about logic gates and how they are used in real-world situations in Boolean algebra.
- **CO-11 :** Students will be able to understand the concept and the application of the combinational logic.
- **CO-12:** Design the digital sequential circuits and its applications.

Electronics Paper-IV (Electronic Circuits DSC10B)

- **CO-13:** To study different basic electric and electronic circuit laws.
- **CO-14:** To study the basic knowledge about amplifiers & power amplifier.
- **CO-15:** Understand the working of oscillators and feedback circuits.
- **CO-16:** Understand the rectifiers and working principals.

H.O.D

❖ B.Sc II Semester III

Electronics Paper-V (Communication Electronics DSC09C)

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

- **CO-17:** Students will develop a thorough understanding of the concepts, elements, and workings of electronic communication systems, including modulation, demodulation, transmission, and reception.

- **CO-18:** Knowledge of Signal Analysis and Processing: Students will gain knowledge of methods used in communication systems for signal analysis and processing, such as Fourier analysis, filtering, and noise reduction.
- **CO-19:** Knowledge of Modulation Techniques: Students will learn about various modulation methods, including amplitude modulation (AM), frequency modulation (FM), and phase modulation (PM), and comprehend the uses and benefits of each.

Electronics Paper-VI (Introduction to Microprocessor 8085 DSC 10C)

- **CO-20:** Understanding of Microprocessor Architecture: Students will gain a thorough understanding of the 8085 microprocessor's architecture, including all of its many functional units and links between them.
- **CO-21:** Knowledge of Instruction Set: Students will gain knowledge of the 8085 microprocessor's instruction set, which will enable them to comprehend and develop assembly language programmes for fundamental operations.
- **CO-22**: Programming Skills: Using the 8085 microprocessors, students will learn to develop effective and optimised assembly language programmes for a variety of applications.

❖ B.Sc II Semester IV

Electronics Paper-VII (Digital Modulation and Mobile telephone system DSC09D)

- **CO-23**: Students will get a thorough grasp of digital modulation techniques, such as amplitude shift keying (ASK), frequency shift keying (FSK), and phase shift keying (PSK), as well as how they are used in mobile phone networks.
- **CO-24:** Students will learn about the principles, architecture, and operation of the Global Positioning System (GPS), as well as the satellite constellation, signal acquisition, tracking, and location determination algorithms.
- **CO-25:** Application of Digital Modulation in Mobile Communication: Students will comprehend the use of digital modulation techniques in wireless internet access, multimedia messaging, voice and data transmission, and other aspects of mobile phone systems.

Electronics Paper-VIII (8051 Microcontroller and Embedded System DSC10D)

- **CO-26:** Understanding of Microcontroller Architecture: Students will gain a thorough understanding of the registers, memory organization, and numerous functional blocks that make up the 8051 microcontroller's architecture and internal structure.
- **CO-27:** Writing effective and optimized assembly language programmes for the 8051 microcontroller, displaying their comprehension of the instruction set, addressing modes, and control flow, will become a skill for students in programming.
- **CO-28:** Interfacing and Peripheral Integration: Students will learn how to integrate peripherals such as sensors, actuators, displays, and communication modules into embedded systems by interfacing the 8051 microcontroller with a variety of external devices and peripherals.

❖ B.Sc III Semester V

Electronics Paper-IX (Electronics Instrumentation-I and Mechatronics DSE-E17)

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

- **CO-29:** Understand the basics, advantages, disadvantages and applications of mechatronics.
- **CO-30:** Understand construction, working and applications of different types of transducers.
- **CO-31:** Understand different types of applications of Op-amp.
- **CO-32:** Understand basics of first order active filters.

Electronics Paper-X (Antenna and Wave Propagation DSE-E18)

- **CO-33:** Understand basic antenna parameters.
- **CO-34:** Understand construction and working of HF, VHF, UHF and Microwave antennas.
- **CO-35:** Understand construction and working of monopole, dipole and patch antennas.
- **CO-36:** Understand different modes of propagation of radio waves, critical frequency, skip distance, virtual height etc.

Electronics Paper-XI (8051 Microcontroller Interfacing and Applications DSE- E19)

- **CO-37:** Understand different types of interrupts in 8051 programming
- **CO-38:** Understand real world interfacing of 8051 microcontrollers.
- **CO-39:** Understand different applications of 8051 microcontrollers.
- **CO-40:** Understand basics of modern microcontrollers and their applications.

Electronics Paper-XII (Power Electronics Devices and Applications DSE –E20)

- **CO-41:** Understand construction, working and applications of semiconductor power devices.
- **CO-42:** Understand structure, characteristics operation of IGBT and thyristors.
- **CO-43:** Understand basics of uncontrolled and controlled rectifiers.
- **CO-44:** Understand applications of power devices.

❖ B.Sc III Semester VI

Electronics Paper-XIII (Electronics Instrumentation-II and Robotics DSE-F17)

- **CO-45:** Understand construction and working of different types of modern lab instruments and meters.
- **CO-46:** Understand basics of mechanical and electrical actuation systems.
- **CO-47:** Understand basics of robotics.
- **CO-48:** Understand certain applications robots.

Electronics Paper-XIV (Optoelectronics and IoT DSE- F18)

- **CO-49:** Understand working of LASER diode, LED, Photodiodes, and Phototransistors.
- **CO-50:** Understand OFC communication and construction - working of different types of fibers.
- **CO-51:** Understand different types of losses in optical fibers.
- **CO-52:** Understand the concept, working and applications of IoT.

Electronics Paper-XV (Advanced Microcontroller: PIC DSE-F19)

- **CO-53:** Understand basics if PIC families.
- **CO-54:** Understand instruction set and programming of PIC18.
- **CO-55:** Understand facilities in PIC18.
- **CO-56:** Understand serial communication, interfacing and different type of interrupts in PIC18.

Electronics Paper-XVI (Industrial Automation and PLC Programming DSE-F20)

- **CO-57:** Understand basics of control system.
- **CO-58:** Understand components of control system.
- **CO-59:** Understand programming logic controller (PLC) basics.
- **CO-60:** Understand ladder programming basics.

H. O. D
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DEPARTMENT OF MATHEMATICS

Programme Outcomes

Sr. No.	Programme Outcomes
	Upon Successful Completion of Specific programme, the students will be able to
PO-1	Explain Fundamental principles and concepts of mathematics and computing with their applications related to Industrial, Biological and Ecological problems.
Po-2	Exhibit in depth the analytical and critical thinking to identify, formulate and solve real world problems of science and engineering.
Po-3	Analyze mathematical concepts and concerned structures and should be able to follow the patterns involved, mathematical reasoning.
Po-4	Expose global and local concerns that explore them many aspects of mathematical sciences.
PO-5	Apply their skills and knowledge that is translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
PO-6	Solve the real life problem and would arrive at valid conclusions based on appropriate interpretations of data and experimental results.
PO-7	Develop written and oral communications skills in order to effectively

	communicate design, analysis and research results.
PO-8	Demonstrate appropriate inter personal skills to function effectively as an individual, as a member or as a leader of team and in a multi disciplinary setting.
PO 9	Acquire competent positions in industry and academia as well.

Programme Specific Outcomes

Sr. No.	Programme Specific Outcomes
	Upon Successful Completion of Specific programme, the students will be able to
PSO-1	Explain fundamentals principles, methods and a clear perception of innumerous power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting
PSO-2	Equip the students sufficiently in both analytical and computational skills in
PSO-3	Develop a competitive attitude for building a strong academic industrial collaboration, with focus on continuous learning skills
PSO-4	Enhance overall development and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment
PSO-5	Develop a positive attitude towards mathematics as an intersecting and valuable subject of study
PSO-6	Gauge the hypothesis, theories, techniques and proof provisionally.

Course Outcomes

Sr. No.	Course Outcomes
	Upon Successful Completion of Specific programme, the students will be able to
DSC-A5:Calculus	
CO-1	Evaluate the limit and examine the continuity of a function at a point
CO-2	Explain consequences of mean value theorems for differentiable functions.
Co-3	Apply Leibnitz theorem to obtain higher derivatives of product of two differentiable functions.
Co-4	Explain the geometrical meaning of Rolle's and Lagrange mean value theorem.
CO-5	Analyze functions using limits and derivative.
DSC-A6: Differential Equations	
CO-6	Illustrate types of differential equations
CO-7	Solve different types of ordinary differential equations.
CO-8	Explain applications of differential equations.
CO-9	Explain linear differential equations with constant coefficient and method of solving.
CO-10	Analyze homogeneous linear differential equations and method of solving them, Legendre's linear equations and method of solving.
DSC-B5: Multivariable Calculus	
CO-11	Explain Conceptual variations while advancing from one variable to several variables in calculus
CO-12	Set up and solve optimizations problem
CO-13	Apply jacobian of transformation
CO-14	Develops theoretical, applied and computational skills.
CO-15	Gains confidence in proving theorems and solving problems.
DSC-B6: Basic Algebra	
CO-16	Use fundamental concept in mathematics like sets, relations and functions
CO-17	Use fundamental concept in Number Theory.
CO-18	Solve examples on congruence.
CO-19	Determine n^{th} roots of unity.
CO-20	Explain various Properties of hyperbolic functions.
DSC-C5:Elements of Differential Equations	

CO-21	Identify types of higher order ordinary differential equations
CO-22	Solve different types of higher order ordinary differential equations.
CO-23	Understand geometrical interpretation of simultaneous and total differential equations.
DSC-C6:Numerical Methods	
CO-24	Find numerical solutions of algebraic, transcedental and system of linear equations.
CO-25	Learn about various interpolating method to find numerical solutions.
CO-26	Find numerical solutions of integration and ODE by using various method.
CO-27	Apply various numerical methods in real life problems
CO-28	
DSC-D5:Vector Calculus	
CO-29	Understand and Evaluate the concepts of gradient, divergence and curl of point functions in terms of Cartesian co-ordinate system.
CO-30	Understand and Evaluate different types of line, surface and volume integrals and the two integral transformation theorems of Gauss and Stokes.
DSC-D6:Integral Calculus	
CO-31	Understand special functions.
CO-32	Understand types of multiple integrals.
CO-33	Apply special functions in applications.
CO-34	Apply multiple integrals in real life problem.
DSC-E9-Mathematical Analysis	
CO-35	Solve integration of bounded function on a closed and bounded interval
CO-36	Analyze properties of Riemann integrable functions.
CO-37	Apply fundamental theorem of integration.
CO-38	Expand the functions in Fourier series and half range Fourier series.
DSC-E10-Abstract Algebra	
CO-39	Explain basic concepts of group and rings with examples.
CO-40	Identify whether the given set with the compositions form ring.
CO-41	Explain the difference between the concepts Group and Ring.
CO-42	Apply fundamental theorem, Isomorphism theorems of groups to prove these theorems for ring.
CO-43	Analyze the concepts of polynomial rings, unique factorization domain.
DSC-E11:Optimization Techniques	

CO-44	Analyze range of operation research models and techniques, which can be applied to a variety of industrial and real life applications.
CO-45	Formulate and apply suitable methods to solve problems.
CO-46	Identify and select procedures for various sequencing, assignment, transportation problems.
CO-47	Identify and select suitable methods for various games.
CO-48	Apply linear programming and find algebraic solution to game.
	DSC-E12:Integral Transform
CO-49	Define concept of Laplace transform.
CO-50	Apply properties of Laplace transform to solve differential equations.
CO-51	Compare Laplace and Fourier transform.
CO-52	Apply infinite and finite Fourier transform.
CO-53	Apply Fourier transform to solve real life problems.
	DSC-E13:Metric Spaces
CO-54	Define notion of metric space, open sets and closed sets.
CO-55	Demonstrate the properties of continuous functions on metric spaces.
CO-56	Apply the notion of metric space to continuous functions on metric spaces.
CO-57	Analyze the basic concepts of connectedness, completeness and compactness of metric spaces.
CO-58	Analyze abstraction of limits and continuity to metric spaces.
	DSC-E14:Linear Algebra
CO-59	Define Notion of vector space, subspace, basis.
CO-60	Analyze concept of linear transformation and its application to real life situations.
CO-61	Analyze algebra of linear transformations.
CO-62	Explain linear transformation and matrices.
CO-63	Analyze eigen values, eigen vectors and its connection with real life situation.
	DSC-E15:Complex Analysis
CO-64	Explain basic concepts of functions of complex variable.
CO-65	Analyze concept of analytic functions.
CO-66	Analyze concept of complex integration and basic results thereof.
CO-67	Analyze the concept of sequence and series of complex variable.
CO-68	Apply concept of residues to evaluate certain real integrals.
	DSC-E16:Discrete Mathematics
CO-69	Use classical notions of logic: implications, equivalence, negation,

	proof by contradiction, proof by induction, and quantifiers.
CO-70	Apply notions in logic in other branches of mathematics.
CO-71	Explain elementary algorithms: searching algorithms, sorting, greedy algorithms and their complexity.
CO-72	Apply concepts of graph and trees to tackle real situations.
CO-73	Apply shortest path algorithms in computer science

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Late Shripatrao Chougule (Dada)

DEPARTMENT OF BOTANY

PROGRAMME SPECIFIC OUTCOMES

Program Specific Outcomes (PSO):

After successful completion of three years degree program in science student are able to,

PSO 1 : Explore the nature and basic concepts of all the plant groups, their metabolism, components at the molecular level, biochemistry, taxonomy and ecology.

PSO 2 : Discover different resources helpful for human life and acquiring knowledge about importance of environment.

PSO 3 : Train in various field work and develop practical skills, handling equipment and laboratory use along with collection and interpretation of biological materials and data.

PSO 4 : Develop of horticultural skill.

Assis.Prof

H.O.D

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DEPARTMENT OF BOTANY

PROGRAMME OUTCOMES

Program Outcomes (PO):

After sucessful completion of three years degree program in science student are able to.

PO 1: Inculate scientific thinking and awarness and ability to use necessary current techniques, skills, and moder tools.

PO 2: Develop scientific intuition,ability and techniques to tackle problems either therotical or experimental innature.

PO 3: Recognize the impact of scientific solution on social and environmental contexts and demonstrate knowledge of and need for sustainable development.

Po 4: Develop scientific attitude and and make the students open mined,critical, curious.

PO 5: Develop skill in practical work , experiment and laboratory materials and equipments along with the collection and interpretation of scientific data to contribute the science.

PO 6 : Provide practical experience to the students as a part of the course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society.

PO 7: Explain natural phenomenon, manipulation of nature and environment in the benefit of human beings.

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PO 8: Develop ability for the application of the acquired knowledge to improve agriculture and other related field to make the country self reliant and sufficient .

PO 9 : Create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.

PO 10 : Execute social includind listening , speaking, observational, effective interactive skills and presenting skills to meet global competencies.

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DEPARTMENT OF BOTANY

COURCE OUTCOMES

Cource Outcomes :

After successful completion of three years degree program in science student will be able to:

Botany Paper 1: DSC-13 A: Microbes, Algae and Biofertilizers.

CO1. Recognize the structure, types and multiplication of viruses.

CO2. Classify the bacterial types, structure and mode reproduction.

CO3. Identify the different types of algae and their importance in day today life.

CO4. Develop the skills for the production of different type of Biofertilizers

Botany Paper 11: DSC-14 A: Cell biology and Analytical techniques

CO5. Distinguish the prokaryotic and eukaryotic organisms and acquire the knowledge of different plant cell organelles and its role in the plant body.

CO6. Recognise the different types of cell division and it's phases.

CO7. Use all types of microscope

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CO8. Pertain a skill in the chromatography techniques.

Botany Paper III: DSC-13B. Mycology, Phytopathology and Mushroom cultivation

CO9. Identify and classify the different fungi and also realize the economic importance of fungi

CO10 Identify the lichens on the basis of morphology and to know the medicinal value of the lichens

CO11 Recognize the different plant diseases and their management.

CO12. Develops the soft skill technique in the Mushroom Cultivation and realize the commercial status of the mushrooms

Botany Paper IV: DSC-14B: Archegoniate (Bryophytes, Pteridophytes and Gymnosperms)

CO13. Identify the bryophytes their importance.

CO14. Recognize the characters and ecological importance of pteridophytes.

CO15 Identify, classify the gymnosperms and understand the Economic importance of gymnosperms.i

Botany Paper V: DSC C13: EMBRYOLOGY OF ANGIOSPERMS

CO-16. Justify of Diversity in vascular plant.

CO-17. Explain of Characters of vascular plants and classification of plants.

CO-18. Recognize the structure and development of monocot and dicot embryos.

CO-19 Compare the function and morphology of pollen grains.

Botany Paper VI: DSC C14: PLANT PHYSIOLOGY

CO-20. Study process of metabolic pathways.

CO-21 Process of respiration, growth and developmental process in plant.

CO-22. Explain of water relations, absorption of water & mineral

CO-23. Explore applications of growth regulators and their role in plant physiological activities

Botany Paper VII: DSC D13: PLANT ANATOMY

CO-24 Explain plant cell, tissues and their functions

CO-25. Differentiate between plant anatomy and the other major disciplines of biology.

CO-26. Identify and compare structural differences among different taxa of vascular plants.

Botany Paper VIII: DSC D14: PLANT METABOLISM

CO-27. Role of enzymes in it and mechanism of photosynthesis, respiration, nitrogen and lipid metabolism.

CO-28. Reveals the students with knowledge of how enzymes work and factors affecting enzyme activity.

CO-29 Mechanism of Nitrogen Fixation.

CO-30. Enrich themselves with the phenomenon of metabolism of primary and secondary metabolites and their role in plants.

Paper-IX DSE-E25 Genetics Paper-IX DSE-E25 Genetics and Plant Breeding

CO-31 Explain the patterns of inheritance in different organisms

CO-32 Describe interaction of genes, multiple alleles and linkage and crossing over.

CO-33. Explain sex linked inheritance, chromosomal aberrations.

CO-34. Apply Plant breeding techniques.

Paper-XDSE-E26 Microbiology, Plant Pathology and Mushroom Culture Technology

CO-35 Recognize the microbes in biological world.

CO-36 Identify microbes and their classification.

CO-37. Discuss the plant and pathogen interaction.

CO-38. Analyse economic factors associated with mushroom cultivation.

Paper-XI DSE-E27 Cytology and Research Techniques in Biology

CO-39 Describe the structure of cell. Resource of plants to fulfill the basic needs.

CO-40. Explain types of organisms and characteristics.

CO-41. Explain concept Of Research Methodology.

CO-42 Recite Concept Hypothesis, Sample, And Research Design.

CO-43 Identify Different Probability Techniques For Doing Research.

Paper-XII DSE-E28 Horticulture and Gardening

CO-44. Expand concept of Horticulture.

CO-45 Discover career and occupational opportunities.

CO-46. Apply the techniques of gardening – Types, Methods & Tools.

Paper-XIII DSE-F25 Plant Biochemistry and Molecular Biology

CO-47. Explain biochemistry of cell and Structure and properties of Cabohydrates, lipids, proteins and Nucleic acid.

CO-48. Describe different biochemical reaction of biomolecules in plant cell.

CO-49 Depict Composition and structure of biomolecules

Paper-XIV DSE-F26 Bioinformatics, Biostatistics and Economic Botany

CO-50 Define Biostatistics, The chi square test, Coefficient of correlation,

CO-51 Describe Bioinformatics and tools, Information technology, History and tools of IT.

CO-52 Analyze Internet and its uses, Entrez, BLAST, Bioinformatics programme in India.

Paper-XV DSE-F27 Plant Biotechnology and Paleobotany

CO-53 Explain DNA replication, Transcription and Translation.

CO-54. Describe Plant Tissue Culture techniques and Genetic Engineering

CO-55 Illustrate scope and application of Paleobotany

CO-56 Compare types of fossils, geological time scale.

Paper-XVI DSE-F28 Bio fertilizers and Herbal Drug Technology

CO-57. Recognize Cyanobacteria and their uses as Biofertilizers.

CO-58 Describe the organic manures.

CO-59. Identify raw material as source of herbal drugs from cultivation to herbal drug product.

CO-60. Evaluate applications of Pharmacognosy.Paper-XIV DSE-F26 Bioinformatics, Biostatistics and Economic Botany

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CO-59 Identify raw material as source of herbal drugs from cultivation to herbal drug product.

CO-60 Evaluate applications of Pharmacognosy.

Shripatrao Chougule Arts and Science Colleges, Malwadi-Kotoli

Department of zoology

After completing B.Sc. Zoology Program students will be able to:

1. PO1: Demonstrate and apply the fundamental knowledge of the basic principles of major fields of Zoology

2.PO2: Apply knowledge to solve the issues related to animal sciences

3.PO3: Take appropriate steps towards conservation of endemic and endangered animal species Skill outcomes

4.PO4 To foster curiosity in the students for Zoology

5.PO5: To create awarèness amongst students for the basic and applied areas of Zoology

6.PO6: To orient students about the importance of abiotic and biotic factors of environment and their conservation

7. PO7: To provide an insight to the aspects of animal diversity.

8.PO8: To inculcate good laboratory practices in students and to train them about proper handling of lab instruments.

Programme Specific Outcome

PSO1 - Understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology

PSO2 - Analyse the relationships among animals with their ecosystems

PSO3 - Understand the applications of Zoology in Agriculture, Medicine and daily life

PSO5 - Gains knowledge about research methodologies, effective communication and skills of problem solving methods

Course outcome of B.Sc. Zoology

F. Y. B.Sc. Zoology

Animal diversity

students will be able to:

CO1: To understand the Animal diversity around us.

CO2: To understand the underlying principles of classification of animals.

CO3: To understand the terminology needed in classification.

CO4: To understand the differences and similarities in the various aspects of classification.

CO5: To classify invertebrates and to be able to understand the possible group of the invertebrate observed in nature.

Cell Biology & Evolutionary biology

students will be able to:

CO1: The learner will understand the importance of cell as a structural and functional unit of life.

CO2: The learner understands and compares between the prokaryotic and eukaryotic system and extrapolates the life to the aspect of development.

CO3:Demonsttrate the structure & function of different cell organallae

Animal Diversity and Insect Vector

students will be able to:

CO1: Explain general Character of Rat

CO2:Demonstrat Various System in mammals

CO3:Differencieate between different disease causing agent

Genetics

students will be able to:

CO1: Define the basic terms in genetics.

CO2: Discuss the linkage groups and gene frequency.

CO3: Explain the concept of mutation.

CO4: Explain DNA structure.

S. Y. B.Sc. Zoology

Animal diversity II

students will be able to:

CO1: Recognize the diversity from protochordates to mammals

CO2: Descibe Animal Speciemen & Models

CO3: Explain different aspect of Animal with respect to geographical distribution and economic importance

Biochemistry

students will be able to:

CO1: Define the basic terms in biochemistry.

CO2: Explain the structure, functions and reactions of the various biomolecules.

CO3: Give examples of each group type of biomolecules.

CO4: Correlate the changes in the levels of these biomolecul

Reproductive Biology

students will be able to:

CO1: Explain the biological process of reproduction

CO2: Explore how reproductive biology impact other aspect of of health

CO3: Recognize modern reproductive technology

CO4: Describe about reproductive Health

Applied Zoology

students will be able to:

CO1: Explain the basic concept regarding host & parasite

CO2: Acquire the Knowledge about various disease caused by insect pest & their control measure.

CO3: Describe about various bacterial disease

(P. S. Patil)

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