

S K R COLLEGE FOR WOMEN, RAJAMAHENDRAVAM
DEPARTMENT OF ENGLISH
COURSE AND PROGRAMME OUTCOMES
2021-2022
GENERAL ENGLISH

Programme Outcomes:

The turn of the twenty first century has made the English Language skills a passport to the job market to all job seekers. Ability to communicate well in English has become a hallmark of good educational foundation and a prerequisite for all graduates. The students are expected to possess a measurable knowledge and a set of skills in using English language in personal and professional life. The present course English Praxis in three parts offers suitable context to teach, learn and practise target language skills. Each part of the course aims at certain specified skills which are taught through various text-based classroom activities and the English Language Laboratory activities. The syllabus of the course offers an open platform to the teacher to facilitate active participatory learning to the students. Hence the whole course is offered in three semesters. The first part of the course offers fundamentals of the English language in five units: Listening, Speaking, Grammar, Writing and Soft Skills. These introductory units are developed into full length courses in the subsequent semesters in addition to Reading Skills so as to prepare the learner into a fully equipped individual. In addition to the classroom interaction, the course also aims at language enhancement through various ICT based online and offline activities in the English Language Laboratory. Each Unit is reinforced with Laboratory activities. The innovative methods and creativity of the English faculty will enhance the learners' participation in teaching and learning.

Course Outcomes:

Semester-I English Praxis Course-I:

A Course in Communication and Soft Skills

Semester-II English Praxis Course -II :

A Course in Reading & Writing Skills

Semester-III English Praxis Course -III:

A Course in Conversation English Praxis Course-I

First English Praxis: I (A Course in Communication and Soft Skills)

Grammar effectively in writing and speaking

Demonstrate the use of good vocabulary

Demonstrate an understanding of writing skills to Acquire ability to use soft skills professional and a life Currently used the tools of communication skills

Second-English Praxis -II (A Course in Reading and Writing

Skills).Use reading skills effectively

Comprehend different types of texts

Analyze what is being read Build up a repository of active vocabulary

Good Writing Strategies Write well for any purpose

improve writing skills independently for future needs.

Third-English Praxis-III:

A Course in Conversational Skills speak fluently in English

Confidently in any social interaction.

Sella professional discourse

Demonstrate critical thinking

Enhance conversation skills by observing the

Professional interviews

SPECIAL ENGLISH

Programme Outcomes:

English Literature courses in the Department of English expose students to a wide range of Writing from British, American and Anglophone Traditions. It helps students explore how writers Use the creative resources of language-in fiction, poetry, nonfiction prose, and drama-to explore the entire range of human experience. Students are Expected to strive, to be imaginative, rhetorically dexterous, and technically proficient and As a result, to gain a deeper insight into life.

With the introduction of new syllabus under CBCS From this year, which promotes a new thematic frame work where classical Indian Bhasa Literature share space with contemporary Literary crosscurrents, UG syllabus at Surya Sen Mahavidyalaya will help students build skills of Analytical and interpretive argument, and become Careful and critical readers. Again, students' Engagement with various strategies of drafting and revising, style of writing and analytical skills, Diagnosing and developing scholarly methodologies, Use of language as a means of Creative Expression, will make them effective thinkers and Communicators – qualities which are crucial for choosing careers in our information-intensive Society.

**Specific learning outcomes for English courses include
The following:**

Reading: Students will gain awareness about the best literary traditions of the world. By Learning how others live and handle their lives, becomes connected with the world in a way. We might not otherwise experience. They will discover that they are part of a huge conglomerate of human thought and emotion. All the great texts that a student of English honors will get chance to study will expand their range of experience. They can gain courage and strength by Living vicariously through well-developed characters. Through reading students will have an awareness for varies perspectives. This will also Expand their range of experience and in the process, they will learn to be more empathetic toward the plights of others.

Literature, Nation and Tradition: The current syllabus in the UG level will provide students Quality of thinking and imagination and is a step Forward to emerge as a better human being. Through their judgment of the aesthetic value of a Literary text students will learn to appreciate whatever is good and beautiful in life. Their healthy Mind will thus be storehouse of healthy Thoughts.

Writing skills and Process: Students will be able to recognize and comprehend different varieties of English language and develop a writing style of their own. English honors students should be aware also that textual analysis can be extended with profit to political, journalistic, commercial, technical, and web-based writing. It is

expected that their exposure to the ideas of variety of writers and their cultural backgrounds, will have a bearing in their own literary styles. With the development of their writing skills and finesse of style there will be a possibility of them emerging as perspective writers, editors, content developers, teachers etc.

Means of Effective Communication : Study of literature is intertwined with the study of language Learning various language patterns, Sentence structures and dialogue forms can help one in real life in effectively communicating with others. English is the language of science, computers, diplomacy, and tourism. Knowing English Increases students chances of getting a good job in future.

Semester Name of the Course:

Course Outcomes:

First Course-I

- know about the features of Old English, Middle English Renaissance Periods
- review the aspects of different literary genres, forms and terms
- Identify the characteristics in Poetry, Drama and Literary Criticism
- Interpret literature of these periods critically

Second Course -II

- Know about the features of Elizabethan and Jacobean periods
- Review the aspects of romantic comedy and the evolution of prose as a genre
- Distinguish the characteristics that evolved in Poetry, drama Prose Literary Criticism
- Assess literature of these periods critically

Third-Course -III

Know about the features of Restoration and Augustan periods
Recognize the aspects of different literary genres, forms and terms

Identify the characteristics in literature that reflected the changing trends in society interpret literature of these periods critically Relate the features of Romantic and Victorian periods observed the aspects of poetry on the contribution of women as literary artists Analyse characteristics in Poetry, Drama Prose and Literary Criticism and compare, evaluate literature of these critically

Fourth-Course-IV(A)

- Relate the features of Romantic and Victorian periods
- Observe the aspects of poetry and contribution of women as literary artists
- Analyze characteristics in Poetry, Prose, Drama and Literary Criticism
- Compare and evaluate literature of these periods critically

Fourth-Course-IV (B)

- Understand the aspects of literature from all over the World
- Analyze What makes the artists respond in different contexts
- Interpret how different forms contribute to reflect life across the world
- Analyze what makes artist respond in different contexts

బి.ఏ., బి.కాం., బి.యస్సి., తదితర ప్రోగ్రాములు

అంశం: జనరల్ తెలుగు

సెమిస్టర్-1

కోర్సు-1 : ప్రాచీన తెలుగు కవిత్వం

యూనిట్ల సంఖ్య: 5

2021-22

పీరియడ్ల సంఖ్య: 60

✦ అభ్యసన ఫలితాలు:-

ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. ప్రాచీన తెలుగుసాహిత్యం యొక్క ప్రాచీనతను, విశిష్టతను గుర్తిస్తారు. తెలుగుసాహిత్యంలో ఆదికవినన్నయ కాలనాటి భాషాసంస్కృతులను, ఇతిహాసకాలం నాటి రాజనీతి విషయాలపట్ల పరిజ్ఞానాన్ని సంపాదించగలరు.

2. శివకవుల కాలనాటి మతపరిస్థితులను, భాషావిశేషాలను గ్రహిస్తారు. తెలుగు నుడికారం, సామెతలు, లోకోక్తులు మొదలైన భాషాంశాల పట్ల పరిజ్ఞానాన్ని పొందగలరు.

3. తిక్కన భారతనాటి మత, ధార్మిక పరిస్థితులను, తిక్కన కవితాశిల్పాన్ని, నాటకీయతను అవగాహన చేసుకోగలరు.

4. ఎఱ్ఱన సూక్తివైచిత్రిని, ఇతిహాస కవిత్వంలోని విభిన్న రీతులపట్ల అభిరుచిని పొందగలరు.

శ్రీనాథుని కాలం నాటి కవితావిశేషాలను, మొల్ల కవితా విశిష్టతను గుర్తించగలరు.

5. తెలుగు వద్యం స్వరూప-స్వభావాలను, సాహిత్యాభిరుచిని పెంపొందించుకుంటారు.

ప్రాచీన కావ్యభాషలోని వ్యాకరణాంశాలను అధ్యయనం చేయడం ద్వారా భాషాసామర్థ్యాన్ని, రచనల మెళకువలను గ్రహించగలరు.

బి.ఏ., బి.కా., బి.యస్.సి., తదితర ప్రోగ్రాములు

అంశం: జనరల్ తెలుగు

సెమిస్టర్-2

కోర్సు-2 : ఆధునిక తెలుగు సాహిత్యం

యూనిట్ల సంఖ్య:5

పీరియడ్ల సంఖ్య:60

+ అభ్యసన ఫలితాలు:-

ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. ఆంగ్లభాష ప్రభావం కారణంగా తెలుగులో వచ్చిన ఆధునిక సాహిత్యాన్ని, దాని విశిష్టతను గుర్తిస్తారు.
2. సమకాలీన ఆధునిక సాహిత్య ప్రక్రియలైన "వచన కవిత్వం, కథ, నవల, నాటకం, విమర్శ"లపై అవగాహన పొందుతారు.
3. భావకవిత, అభ్యుదయ కవితాలక్ష్యాలను గూర్చిన జ్ఞానాన్ని పొందుతారు. అస్తిత్వవాద ఉద్యమాలపుట్టుకను, ఆవశ్యకతను గుర్తిస్తారు.
4. కథాసాహిత్యం ద్వారా సామాజిక చైతన్యాన్ని పొందుతారు. సిద్ధాంతాల ద్వారా కాకుండా, వాస్తవ పరిస్థితులను తెలుసుకోవడం ద్వారా సిద్ధాంతాన్ని సమీక్షించగలరు.
5. ఆధునిక తెలుగు కల్పనాసాహిత్యం ద్వారా సామాజిక, సాంస్కృతిక, రాజకీయ చైతన్యాన్ని పొందుతారు.

బి.ఏ., బి.కాం., బి.యస్.సి., తదితర ప్రోగ్రాములు

అంశం: జనరల్ తెలుగు సెమిస్టర్-3

కోర్సు-3 : సృజనాత్మక రచన

యూనిట్ల సంఖ్య: 5

పీరియడ్ల సంఖ్య: 60

✦ అభ్యసన ఫలితాలు:-

- ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.
1. తెలుగు సాహిత్య అభ్యసన ద్వారా నేర్చుకున్న నైపుణ్యాలను, సృజనాత్మక నైపుణ్యాలుగా మార్చుకోగలరు.
 2. విద్యార్థులు భాషాతత్వాన్ని, భాష యొక్క ఆవశ్యకతను, భాష యొక్క ప్రాధాన్యాన్ని గుర్తిస్తారు. మనిషి వ్యక్తిగత జీవనానికి, సామాజికవ్యవస్థ పటిష్ఠతకు భాష ప్రధానమని తెలుసుకుంటారు. తెలుగుభాషలోని కీలకాంశాలైన 'వర్ణం-పదం-వాక్యాల ప్రాధాన్యాన్ని గుర్తిస్తూ, వాగ్రూప- లిఖితరూప వ్యక్తీకరణ ద్వారా భాషానైపుణ్యాలను మెరుగుపరచుకోగలరు.
 3. భాషానైపుణ్యాలను అలవరచుకోవడంతోపాటు వినియోగించడం నేర్చుకుంటారు. రచనా, భాషానైపుణ్యాలను సృజనాత్మక రూపంలో వ్యక్తీకరించగలరు.
 4. ప్రాచీన పద్యరచనతో పాటు ఆధునిక కవిత, కథ, వ్యాసం, మొదలైన సాహిత్యప్రక్రియల నిర్మాణాలకు సంబంధించిన సిద్ధాంతవిషయాలను నేర్పడంతో పాటు వారిలో రచనా నైపుణ్యాలను పెంపొందించుకోగలరు.
 5. సృజన రంగం, ప్రసారమాధ్యమ రంగాల్లో ఉపాధి అవకాశాలను అందిపుచ్చుకోగలరు.
 6. అనువాద రంగంలో నైపుణ్యం సంపాదించగలరు.

బి.ఏ., తదితర ప్రోగ్రాములు
అంశం: స్పెషల్ తెలుగు సెమిస్టర్-1
కోర్సు-1 : ప్రాచీన కవితా పరిచయం

యూనిట్ల సంఖ్య: 5

పీరియడ్ల సంఖ్య: 75

❖ అభ్యసన ఫలితాలు:-

- ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.
1. ప్రాచీన తెలుగు కవితా సౌందర్యాన్ని, విశిష్టతను గుర్తిస్తారు. తెలుగుజాతి సంప్రదాయాలను గ్రహిస్తూ, తెలుగువారి సంస్కృతిలో ఒక భాగమైన తెలుగు పద్యకవిత్వం వికాసం చెందిన విధానాన్ని విశ్లేషణాత్మకంగా అవగాహన చేసుకోగలరు.
 2. మార్గకవితకు వ్యతిరేకంగా తలెత్తిన దేశికవిత్వోద్యమాన్ని అవగాహన చేసుకుంటారు. శివకవుల కాలంనాటి మత,ధార్మిక పరిస్థితులను, భాషావిశేషాలను గ్రహించగలరు.
 3. తిక్కన మహాభారత రచనా విశిష్టతను గ్రహిస్తూ, అందులోని కావ్యశిల్పం ద్వారా రసానుభూతిని పొందగలరు. ఉపాఖ్యానాలలోని సందేశాన్ని గ్రహిస్తూ, గ్రాంథికభాష రూపుదిద్దుకున్న క్రమాన్ని గుర్తించగలరు.
 4. మార్గకవిత ప్రబంధప్రక్రియలోకి పరిణమించిన వైనాన్ని తెలుసుకుంటారు. ప్రబంధయుగ విశిష్టతను, అల్లసాని కవితలోని జిగిబిగిని ఆస్వాదించగలరు. కావ్యవస్తువులో కాలానుగుణంగా వచ్చిన మార్పులు గ్రహించగలరు.
 5. పోతన భాగవత విశిష్టతను, భక్తితత్వాన్ని అర్థం చేసుకోగలరు. మొల్ల రామాయణంలోని కవితా చమత్కారాన్ని, కావ్యేతిహాస ప్రక్రియా విశిష్టతను, శబ్దసౌందర్యాన్ని గ్రహించగలరు.

బి.ఏ., తదితర ప్రోగ్రాములు
అంశం: సైషల్ తెలుగు సెమిస్టర్-2
కోర్సు-2 : ఆధునిక కవితా పరిచయం

యూనిట్ల సంఖ్య: 5

పీరియడ్ల సంఖ్య: 75

❖ అభ్యసన ఫలితాలు:-

ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. వర్తమాన తెలుగు జీవనంలో ఒక భాగమైన ఆధునిక తెలుగుకవిత్వం తీరు తెన్నులను, సౌందర్యాన్ని విశ్లేషణాత్మకంగా అవగాహన చేసుకోగలరు.
2. దేశభక్తి, సామాజిక అసమానతల నివారణ, మానవతావాదం మొదలైన భావాలను పెంపొందించుకోగలరు.
3. సున్నితమైన భాషను ఉపయోగిస్తూ, ఉత్తమభావాలను ప్రకటించే సామర్థ్యాన్ని అందుకోగలరు.
4. వ్యవహారికభాషలో సామాజిక చైతన్యాన్ని ప్రోత్సహించే కవిత్వం రాయడానికి ప్రేరణ పొందగలరు.
5. ఆధునికకాలంలో కవితల్లోను, వస్తువుల్లోను, భావంలోను వచ్చిన మార్పులను గ్రహించగలరు. శిల్పంలో స్వేచ్ఛను, భావప్రకటనలో వచ్చిన మార్పులను, సమాజానికి భాష దగ్గర కావడాన్ని అవగాహన చేసుకోగలరు.

బి.ఏ., తదితర ప్రోగ్రాములు
అంశం: స్పెషల్ తెలుగు సెమిస్టర్-3

కోర్సు-3 : ప్రాచీన తెలుగు సాహిత్య చరిత్ర

యునిట్ల సంఖ్య: 5

పీరియడ్ల సంఖ్య: 75

❖ అభ్యసన ఫలితాలు:-

ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. తెలుగువారి చరిత్రలో భాగమైన తెలుగు సాహిత్యచరిత్ర, చిరకాలంగా తెలుగువారు ఆచరిస్తున్న సంస్కృతిలో ఎలా అంతర్భాగమైందో తెలుసుకోగలరు.
2. తెలుగుసాహిత్య క్రమపరిణామాన్ని గురించిన స్థూలమైన అవగాహనను పొందుతారు.
3. తెలుగులో ఉన్న రెండు సాహిత్య సంప్రదాయాలైన మాఖిక, లిఖిత రూపాలను గుర్తిస్తారు. వివిధ సాహిత్య ప్రక్రియల వికాసాన్ని అవగాహన చేసుకుంటారు.
4. కవులు తమ సృజనాత్మకత ద్వారా సృష్టించిన సాహిత్యాన్ని బోధించడం ద్వారా విద్యార్థులు సాహిత్యం పట్ల సంవేదనను, అభిరుచిని, విమర్శనాత్మక విశ్లేషణాశక్తిని పొందగలరు.
5. ఆయా శాస్త్రాల్లో కృషిచేసే వారికి ఆ రంగంలో విషయజ్ఞానం ఎలా అవసరమో తెలుసుకోగలరు. తెలుగుసాహిత్యంలో కృషిచేసే వారికి తెలుగులో పాండిత్యం అవసరమని గ్రహిస్తారు.
6. కవులు, రచయితలు వాడిన సృజనాత్మక భాషను పరిచయం చేయడం ద్వారా విద్యార్థులు తమ కళావసరాలు తీర్చుకోగలరు.

బి.ఏ., తదితర ప్రోగ్రాములు
అంశం: స్పెషల్ తెలుగు సెమిస్టర్-4
కోర్సు-4 : ఆధునిక తెలుగు సాహిత్య చరిత్ర

యానిట్ల సంఖ్య:5

పీరియడ్ల సంఖ్య:75

❖ అభ్యసన ఫలితాలు:-

ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. ఆంగ్లభాష ప్రభావం వల్ల వచ్చిన పరిణామాల ఫలితంగా ఏర్పడిన ఆధునిక తెలుగు సాహిత్య స్వరూప స్వభావాలను తెలుసుకోగలరు.
2. సామాజిక మార్పులు సాహిత్యంలో ఎలా ప్రతిబింబించిందీ గ్రహిస్తారు.
3. ఆధునిక సాహితీ ప్రక్రియలను అవగాహన చేసుకోవడం ద్వారా, సమాజంపై సాహిత్య ప్రభావాన్ని తెలుసుకోగలరు.
4. మార్క్సిజం కారణంగా ప్రపంచవ్యాప్తంగా వచ్చిన భావవిప్లవాన్ని అవగాహన చేసుకోగలరు.
5. సమకాలీన ఆధునిక కవితాధోరణులను అవగాహన చేసుకోవడం ద్వారా, అస్తిత్వవాదాలపట్ల తమదైన వైఖరిని ఏర్పరచుకోగలరు.

బి.ఏ., తదితర ప్రోగ్రాములు
అంశం: స్పెషల్ తెలుగు సెమిస్టర్-4
కోర్సు-5 : తెలుగు సాహిత్య విమర్శ

యూనిట్ల సంఖ్య: 5

పీరియడ్ల సంఖ్య: 75

❖ అభ్యసన ఫలితాలు:-

- ఈ కోర్సు విజయవంతంగా ముగించాక, విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.
1. కళలు, సాహిత్యం ఎలా పుడుతున్నాయో గుర్తిస్తూ, కళల్లోని రకాలను, కవిత్వం యొక్క ప్రత్యేకతను గ్రహిస్తారు.
 2. కావ్య స్వరూపాన్ని; ప్రాచీన, ఆధునిక కవుల అభిప్రాయాలను అవగాహన చేసుకుంటారు.
 3. కావ్య హేతువులను, కావ్య ప్రయోజనాలను, కావ్య భేదాలను గుర్తించడం ద్వారా సాహిత్యం ఎందుకోసమో విశ్లేషించగలుగుతారు.
 4. రససూత్రాన్ని అవగాహన చేసుకోవడం ద్వారా కళాభిరుచిని పొందుతారు.
 5. ధ్వని స్వరూపాన్ని గ్రహించడం ద్వారా కావ్యానందాన్ని ఆస్వాదిస్తారు.
 6. కావ్యలక్షణాలను సంప్రదాయ పద్ధతిలో విమర్శనాత్మకంగా అధ్యయనం చేయడం ద్వారా సంప్రదాయ సాహిత్యంలోని విశిష్టతను గ్రహిస్తారు.

SKR GOVERNMENT DEGREE COLLEGE FOR WOMEN

DEPARTMENT OF HINDI - 2021-22

COURSE OUT COMES

SEMESTER - I

COURSE No.I

COURSE NAME- Hindi Prose Essays, Short Stories, Grammar & Letter Writing, Administrative Terminology.

- *To able to understand the types of Prose .
- *To able to understand the Essays by Mahaveer Prasad Dwivedi, Acharya Ramachandra Shukla
- *To able to understand one act play by Dr.Ramkumar Varma.
- *To able to understand the short stories by Munshi Premchand, Jasankar Prasad and Chandradhar Sarma Guleri.
- *To able to understand the Grammar Ling,Vachan,Kaal and Vachya.
- *To able to understand the Letter Writing.
- *To able to Translate Administrative Terminology from English toHindi & Hindi to English.

SEMESTER-II

COURSE No.II

COURSE NAME- Hindi Prose Essays, Short Stories, Grammar & Letter Writing ,Administrative Terminology.

- *To able to understand the Essays by Mahadevi Varma, RamdhariSimhDinakar and Sadhana Mourya.
- *To able to understand the Stories by Sri Bala Shouri Reddy, Mohan Rakesh and Kusum Viyogi.
- *To be able to understand the Grammar Sandhi Viched, Vakyon ki Shuddi.
- *To be able to understand the changing Administrative Terminology Hindi to English and English to Hindi.
- *To able to understand Letter Writing.

SEMESTER-III

COURSE No. III

COURSE NAME: History of Hindi Literature, Modern and Medieval Poetry ,General Essays & Translation

COURSE OUT COMES:

- *To able to understand History of Hindi Literature and its Clasfication.
- * To able to understand Bhaktikaal: Jnanasrayisakha and Premasrayisakha.
- *To able to understand the meaning and concept of old and modern poetry by Kabirdas, Surdas, Maithili Saran Gupt, SuryakanthTripathiNirala and Sumitranandan Panth.
- *To able to understand General Essays.
- *To able to Translate Hindi Sentences to English and vice-versa.
- *To able to understand various forms of Functional Hindi.

K. Neeraja
Incharge of the Department



SKR GOVT DEGREE COLLEGE

Department of **SANSKRIT**

2021-22

PROGRAMME OUTCOME

1. **Sanskrit and Literature.** Kavya is Sravya or Drisya, literally audible or visible; these are respectively poems or plays. This course CC1 (section A, B, C and D) introduces Sanskrit audible literature. Students may get a clear conception about the subject, its expression and lofty eloquence of thinking process. Section D *Nitisataka-Niti* or the ethical or didactic poem which has a very ancient origin. The Indian Ethical Poetry helps to attain a tranquil mind, to get out of the trammels of birth and living, to discard pleasure and pain, to discover the truth and the Divine and to imbibe the love for tolerance and brotherhood.
2. The course curriculum inculcates among students a basic knowledge of our epic Ramayana and Mahabharata heritage of our country.
3. This course introduces **SELF MANAGEMENT IN THE GITA** which is very helpful for a student to be a good citizen.

PROGRAMME SPECIFIC OUTCOME

- Clear conception of the Sanskrit language and literature.

Objective6

- A massive digitisation programme to place the collection of 25000 manuscripts in the cultural commons.
- Contributing to a global interconnected network of sharing and multiplying knowledge
- Introducing and strengthening multi- disciplinary courses in the curriculum.
- Introducing contemporary fields of study such as Museology, Indology, Oriental studies, Manuscriptology and studies on post/ colonialism for students and research scholars.
- Enriching one full- fledged and active research department in Sanskrit and Indology in the Nabadwip Campus.
- Building the Sanskrit Charcha Kendra at Nabadwip as a state of the art research centre and archive of Sanskrit studies.
- Publishing and maintaining high standard of the prestigious journal Our Heritage which has been successfully revived.

- Establishing a second campus to diversify academic activities.
- Spreading our base out of the metropolis and reaching out to various corners of rural Bengal.
- Setting up an Ishwarchandra Vidyasagar centre for research and documentation.
- Celebration of the bi- centenary of the birth of Pt. Ishwarchandra Vidyasagar.
- Initiating research courses in various disciplines to promote cutting-edge multi- disciplinary knowledge creation.
- Encouraging research in Pali and Prakrit
- Introducing MA and research programme in Linguistics.
- Promoting the study of classical languages such as Tamil, Mandarin etc.

Dept of Sanskrit
COURSE OBJECTIVES and OUTCOMES

I Sem

2021 - 2022

Sanskrit : वामाचल, मद्राभारत, पञ्चनक्षत्र आद्ययानः।
वृत्ति, श्लो विज्ञान, सप्तरी नक्षत्र, राशिसु लक्षण
नीति, प्रमाण्य विषयानुसंधान.

वाच्ये रीत्याः - राशिसु लक्षण - सप्तरी नक्षत्र श्लो नक्षत्रानुसंधान

नायकुल - प्रथम नक्षत्रानुसंधान - श्लो नक्षत्रानुसंधान
श्लो नक्षत्रानुसंधान - नक्षत्रानुसंधान - श्लो नक्षत्रानुसंधान -

कुरुक्षेत्रसु - श्लो नक्षत्रानुसंधान - श्लो नक्षत्रानुसंधान - श्लो नक्षत्रानुसंधान.

महाभारतः - कुलानुसंधान, राशिसु लक्षण, सप्तरी नक्षत्रानुसंधान
महाभारतानुसंधान - श्लो नक्षत्रानुसंधान -

वैदिकसु लक्षण - श्लो नक्षत्रानुसंधान

संज्ञानुसंधानः - वैदिकसु लक्षण - 1. महाभारतानुसंधान

2. महाभारतानुसंधान

3. महाभारतानुसंधान

4. महाभारतानुसंधान

5. महाभारतानुसंधान.

महाभारतानुसंधान, महाभारतानुसंधान, महाभारतानुसंधान (महाभारतानुसंधान) महाभारतानुसंधान,
महाभारतानुसंधान महाभारतानुसंधान. महाभारतानुसंधान.

COURSE OBJECTIVES and OUTCOMES

II Sem

అంశం → వల్లభశామ - కావీదాస: → 19 కాలగీతములు

బ్రహ్మ చరితము - అశ్వమేధ: → వాయుమాన:

అన్న కావ్యము వల్లభశామ → కా. భూమిపాల

శామకృతా:

పంచమ మాతా వాక్యంల "కాళిదాసు" వర్ణించిన ప్రసిద్ధ
రఘువంశం, కుమార సంభవం.

రఘువంశం → భర్త పరామిత్యం, ప్రజానురంజక పరిపాలనావిధానం
వీతి జ్ఞానం, పలు పకారం ఇత్యది గ్రంథం.

బుద్ధ చరితం → బుద్ధుని జీవితం. గౌతమ బుద్ధుని జీవితకైతి.
బుద్ధ వృత్తం - శాఖి యువతకి ప్రవర్తనం.
ఇత్యది విషయాల వివరణ - ఉదాహరణ.

వందే కాశ్మీర భారతం: → కాశ్మీర చరిత్ర - భారతావని విభానం
ఇత్యది వివరణం.

SKR GOVERNMENT DEGREE COLLEGE (W), RAJAMUNDRY

DEPARTMENT OF ECONOMICS

COURSE OUTCOMES 2021-22

SEMESTER	NAME OF THE COURSE	COURSE OUTCOMES
I	MICRO ECONOMIC ANALYSIS	<p>At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills.</p> <ol style="list-style-type: none">1. Remembers and states in a systematic way(Knowledge) a) the differences between microeconomic analysis and macro economic analysis b) various laws and principles of microeconomic theory under consumption,2. Explains(understanding) a) Various terms and concepts relating to microeconomic analysis with the help of examples of real life. a. Consumer's equilibrium and consumer's surplus using indifference curve analysis. b. various laws and principles of consumption, production, and income distribution c. determination of price and output discriminating different market conditions in short term and long term.3. Critically examines using data and figures (analysis and evaluation) a. various laws and principles of microeconomic analysis and market conditions b. Application of the concept of demand elasticity and its relation with Average and

		<p>Marginal Revenue. c. the relationship between average and marginal cost/revenue both in long term and 4. Draws critical diagrams and graphs to explain and examine the application of examine the various laws and principles of micro economic analysis.</p>
III	DEVELOPMENT ECONOMICS	<p>Students at the successful completion of the course shall be able to:</p> <ol style="list-style-type: none"> 1. abilities and psychomotor skills. 2. 1. Remembers and states in a systematic way (Knowledge): Various concepts and definitions and indicators relating to economic growth and Development including recent 3. 2. Explains (understanding): a) Distinction between growth and development with examples b) Characteristics of developing and developing economies and distinction between the two c) factors contributing to development, Choice of Techniques and a few important models and strategies of growth 4. 3. Critically examines using data and figures (analysis and evaluation) a. the theoretical aspects of a few models and strategies of economic growth b. role and importance of various financial and other institutions in the context of India's economic development

		<p>5. 4. Draws critical diagrams, and graphs. a. to explain the models and strategies b. to highlight empirical evidences to support the strategies.</p>
IV	ECONOMIC DEVELOPMENT – INDIA AND ANDHRA PRADESH (C4)	<p>Students at the successful completion of the syllabus they would be able:</p> <ol style="list-style-type: none"> 1. to remember and states leading Issues of Indian economic development. 2. Understand and explain the available resources, demographic issues, general problems of poverty and unemployment and policies 3. Critically examines using data and figures of leading Issues of current importance relating to India and AP 4. Uses statistical data and reports including tables and graphs to explain the achievements of Indian economy with reference to the objectives of Planning and policy. <p>At the end of the course, the student is expected to demonstrate the cognitive abilities and psychomotor skills.</p>
IV	STATISTICAL METHODS FOR ECONOMICS (C5)	<ol style="list-style-type: none"> 1. Remember and states the definitions terms and their meaning relating to statistical methods. 2. Explains the importance of statistics and its applications 3. Analyses and solves using given data and information for different kinds of statistical problems. 4. Draws critical diagrams and graphs. <p>At the end of the course, the student is expected to demonstrate the cognitive and psychomotor skills.</p>
II	MACRO ECONOMIC ANALYSIS (C2)	<ol style="list-style-type: none"> 1. Remembers and states the various concepts, definitions and laws and principles of macro-economic theory with reference to income, employment, money, banking and finance. 2. Understand the difference between various concepts and components of national

II	BUSINESS ECONOMICS (C2B)	<p>Income.</p> <ol style="list-style-type: none"> 3. Critically examines using data and figures in order to understand the interrelationship between various components of national income. 4. Draws critical formulae, diagrams and graphs. <p>At the end of the course, the student will be able to :</p> <ol style="list-style-type: none"> 1. Describe the nature of economics and dealing with the issues of scarcity of resources. 2. Analyse supply and demand analysis and its impact on consumer behaviour. 3. Evaluate the factors, such as production and costs affecting firms behaviour. 4. Recognise market failure and the role of government in dealing with those failures. 5. Use economic models for managerial problems, identify their relationships and formulate the decision making tools to be applied for business.
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INCHARGE OF THE DEPARTMENT

S.K.R.COLLEGE FOR WOMEN
RAJAMAHENDHRAVARAM
DEPARTMENT OF POLITICAL SCIENCE
COURSE OUTCOMES FOR 2021-2022


SEM	NAME OF THE COURSE	COURSE OUTCOME
SEM-I	INTRODUCTION TO POLITICAL SCIENCE	<ol style="list-style-type: none"> 1. To understand the nature and scope of political theory. 2. To understand the significance of political theory 3. To acquaint with theories approaches concept and principles of political theory. 4. To appreciate the procedure of different theoretical ideas in political theory. 5. To interpret and assess information regarding variety of political theory. 6. To understand the various traditional & modern theories of political science. 7. TO Evaluate the theory origin of the state.
SEM-II	BASIC ORGANS OF THE GOVERNMENT	<ol style="list-style-type: none"> 1. UNDERSTAND THE ORIGIN AND EVOLUATION OF THE CONCEPT OF CONSTITUTIONALISM AND CLASSIFICATION of constitution. 2. Acquaint themselves with different theories of origin of state. 3. Understand and analysis organs and forms of Govt along with a deep insight into the various agents involved in the political process.
SEM-III	Indian government and politics	<ol style="list-style-type: none"> 1. Introducing the Indian constitution with a focus on the role of the constituent Assembly and examining the essence of the preamble 2. Examining the fundamental rights and duties of Indian citizens with a study of the significance and status of directive principles 3. Assessing the Indian federalism with focus on union and state relations 4. Critically analyse the important institutions.
SEM -IV	Indian Political Process	<ol style="list-style-type: none"> 1. Know and understand the federal system of the country and some of the vital 2. Evaluate the electoral system of the country. and to identity of the areas of electoral reforms 3. Understand the dynamic of Indian politics. 4. Propose theoretical outline alternate models
SEM -V	Indian Political Thought- paper 5	<ol style="list-style-type: none"> 1. Knowledge gained about the political ideas of political thinkers 2. Skill gained; Understanding the contextualizing the ideas of contemporary realities 3. Competancy gained; develop the ability of critically assess and form opinion in philosophical an and ideological issues relevant contemporary India.
SEM VI	LOCAL SELF	<ol style="list-style-type: none"> 1. Develop a local leadership


	GOVERNMENT IN ANDHRA PRADESH	<ol style="list-style-type: none">2. Exhibit the efforts for rural development3. Apply the Management and theory at local level.4. Awareness of the basic govt. system as well as development measures.5. Conceptualization of the developmental process at the top to bottom.
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DEPARTMENT OF POLITICAL SCIENCE

PROGRAMME OUTCOMES FOR THE ACADEMIC YEAR- 2021-2022

SL.NO	PROGRAMME	PROGRAMME OUTCOMES
1.	B.A H.E.P H.P.T S.H.P E.E.P	<p>1.The Bachelor of Arts in Political Science Prepares graduates to Understand fundamental concepts in the discipline Of Political Science</p> <p>2.Students will demonstrate the ability to ask relevant research questions pertaining to Political Science in their research papers and internship experiences.</p> <p>3.Student will demonstrate the ability to recognise and evaluate assumptions and implications in their research papers and internship experiences.</p> <p>4.Students will demonstrate the ability to state and defend a thesis that is clear, direct, logical and substantive in the area of Political Science.</p> <p>5.Students will demonstrate the ability to examine and evaluate different sides of an issue in their research papers and internship experiences.</p> <p>6.Students will demonstrate the ability to find and use a variety of appropriately cited sources.</p> <p>7.Students will demonstrate substantive knowledge of concepts and facts relevant to Political Science.</p> <p>8.Students working towards teacher certification will demonstrate the ability to apply Political Science. Knowledge and methodologies within the classroom setting.</p> <p>9.The academic Programme will promote and realize gains in student success.</p> <p>10.The academic Programme will Promote and realize efficiency in the delivery and completion of the Programme.</p>


Signature of the Dept.


PRINCIPAL
S. L. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

S.K.R.College for Women

Department of History

2021-2022

Programme And Course Out Comes



2021-22

B.A	Semester: I	Credits: 4
Course: I	Ancient Indian History & Culture (From Indus Valley Civil. to 13 Century A.D)	Hrs/Wk: 5

Learning Outcomes:

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

- Identify and define various kinds of sources and understand how history books are shaped
- Compare and contrast various stages of progress from IVC to Vedic age and analyze the Jain, Buddhist and Vedic faiths
- Increase the awareness and appreciation of Transition from Territorial States to Emergence of Empires
- Analyze the emergence of the Mauryan and Gupta empires during the "classical age" in India
- Evaluate the key facets of ancient society, polity and culture in South India—the feudalism, and the rise of technology and commerce
- Critically examine the nature of monarchic rule and develop an comprehensive understanding of cultural evolution during ancient period
- Visualize where places are in relation to one another through map pointing

LEARNING OUTCOMES

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

- Understand the socio, economic and cultural conditions of medieval India.
- Describe the advent of Islam in India and study the traces of political and cultural expansion of Turks & Afghans.
- Explain the Administration and art and architecture of Vijayanagar Rulers, Mughals and also analyse the rise of the Marathas and the contribution of Shivaji.
- Evaluate the establishment of the British rule in India and understand the dangerous consequences disunity at all levels.
- Analyze the emergence of composite culture in Indian.
- Visualize where places are in relation to one another through map pointing.

Learning Outcomes :

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

- Unearth the true nature of the British rule and its disastrous impact on Indian economy and society.
- Gauge the disillusionment of people against the Company's rule even during the early 19th century.
- Assess the causes and effects of Reformation movements and also inspire the public to overthrow inequalities of the present day society.
- Rise above petty parochial issues after understanding the sacrificial saga of freedom struggle.
- Evaluate the undercurrent of communal politics that led to India's partition and identify the enemies of India's integrity and sovereignty.
- Visualize where places are in relation to one another through map pointing.

B.A	Semester: IV	Credits: 4
Course: 4	History & Culture of Andhra (from 1512 to 1956 AD)	Hrs/Wk: 5

Learning Outcomes:

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

- Interpret social and culture transformation from medieval to modern Andhra
- Relate key historical development during medieval period occurring in coastal Andhra and Telangana regions and analyze socio-political and economic changes under Qutubshahi rules
- Understand gradual change, or change in certain aspects of society in Andhra, rather than rapid or fundamental changes.
- Explain how the English East India company became the most dominant power and outline the impact of colonial on different aspects in Andhra.
- Outline the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues.
- Take pride in the non-violence struggle for Indian Independence and relate the important of peace in every life.
- Apply the knowledge of the regional history to understand the regional, linguistic and other cultural aspirations of the present day society
- Visualize where places are in relation to one another through map pointing

B.A	Semester: IV	Credits: 4
Course: 5	History Of Modern World (From 15th Cent. AD to 1945 AD)	Hrs/Wk: 5

Learning Outcomes:

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

- Demonstrate advanced factual knowledge of world histories, politics, and cultures
- Assess and appraise the developments in art, literature, and society during the Renaissance and utilize content knowledge of the Reformation and Counter Reformation to make predictions about the evolution of Christianity in Europe and abroad.
- Evaluate the causes for the Glorious Revolution and American Revolution and identify the background for the evolution of human rights movement.
- Understand the main events of the French Revolution and its significance in the shift in European culture from Enlightenment to Romanticis.
- Think how Russia's traditional monarchy was replaced with the world's first Communist state.
- Know how the world was affected people all over the world and the destruction they caused.
- Develop the intellectual curiosity and habits of thought that will lead to life-long learning and continued engagement with European history, literature, culture, languages, and current affairs and acquire advanced international and intercultural competency through coursework in international studies.

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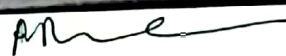
BLAZE 5G

Learning Outcomes :

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

- Demonstrate advanced factual knowledge of world histories, politics and cultures.
- Assess and appraise the developments in art, literature and society during the Renaissance and utilize content knowledge of the Reformation and Counter Reformation to make predictions about the evolution of Christianity in Europe and abroad.
- Evaluate the causes for the Glorious Revolution and American Revolution and identify the background for the evolution of human rights movement.
- Understand the main events of the French Revolution and its significance in the shift in European culture from Enlightenment to Romanticism.
- Think how Russia's traditional monarchy was replaced with the world's first Communist state.
- Know how the world wars affected people all over the world and the destruction they caused.
- Develop the intellectual curiosity and habits of thought that will lead to life-long learning and continued engagement with European history, literature, culture, languages and current affairs and acquire advanced international and intercultural competency through coursework in international studies.
- Visualize where places are in relation to one another through map pointing.

Incharge of the Dept of History


PRINCIPAL
 S.K.R. Government Degree College (Women)
 RAJAMAHENDRAVARAM,
 East Godavari Dist., Andhra Pradesh

S.K.R.COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM

DEPARTMENT OF **SOCIOLOGY**

FOUR YEARS DEGREE SYLLABUS -2021-22

PROGRAMME & COURSE OUTCOMES

	GROUUP OFFERED	PROGRAMME OUTCOMES
	H.E.P. (History, Political science and Sociology)	<p>Sociology seeks to understand all aspects of human social behaviour, including the behaviour of individuals as well as the social dynamics of small groups, large organizations, communities, institutions, and entire societies. Sociologists are typically motivated both by the desire to better understand the principles of social life and by the conviction that understanding these principles may aid in the formulation of enlightened and effective social policy. Sociology provides an intellectual background for students considering careers in the professions or business. An Honours Graduate student of Sociology should be able to develop:</p> <p>Critical Thinking: The programme seeks to develop in students the sociological knowledge and skills that will enable them to think critically and imaginatively about society and social issues.</p> <p>Sociological Understanding: The ability to demonstrate sociological understandings of phenomena, for example, how individual biographies are shaped by social structures, social institutions, cultural practices, and multiple axes of difference and inequality.</p> <p>Written and Oral Communication: The ability to formulate effective and convincing written and oral arguments.</p>

		<p>multiple axes of difference and inequality.</p> <p>Written and Oral Communication: The ability to formulate effective and convincing written and oral arguments.</p> <p>Better understanding of real life situation: The ability to apply sociological concepts and theories to the real world and ultimately their everyday lives.</p> <p>Analytical thinking: Field survey and preparation of dissertation paper is an inseparable part of Sociology Honours Programme. Students have to collect primary data for census as well as his/her research topic and analyse the data to draw conclusions. So, qualitative and quantitative analytical skills are enhanced .</p> <p>Observation power: a sensible observation power is necessary to identify the research problems in field study. So a perception about human society slowly grows up.</p> <p>Communication skills and Social interaction power: Students of Sociology stream have to work beyond the class room boundary at the time of field study activities. As a result good communication skill develops while interacting with local people.</p> <p>Ethical and Social Responsibility: Students have to learn about institutions, folkways , mores, culture, social control ,social inequality, population composition, population policy, society and culture of India. All these help to in still among the students of Sociology a sense of ethical and social responsibility.</p> <p>Professional and Career Opportunities: Students will have the opportunity to join professional careers in Sociology and allied fields. Sociology provides an</p>
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		intellectual background for students considering careers in business, social services, public policy .Government service, nongovernmental organizations, foundations, or academia. This programme lays foundation for further study in Sociology, Social work, Rural Development, Social Welfare and in other allied subjects.
SEMESTER	NAME OF NTHE COURSE	COURSE OUTCOMES
FIRST	COURSE—I BASICS CONCEPT OF SOCIOLOGY	1.The Course will provide students with a solid grounding in the fundamentals of the sociology discipline 2.To understand the basic concepts in Sociology and their fundamental theoretical interrelations 3.Students will be able to define the relevance of the concepts like, Culture, Social Structure , Institutions
SECOND	COURSE—II SOCIOLOGY OF INDIAN SOCIETY	1.Discuss the important concepts and perspectives of Indian Society 2.Explain the Indian Society though the lens of Sociology 3.Dicuss the significance of Social Institutions and practices
THIRD	COURSE—III SELECTED SOCIOLOGICAL THEORIES	1.To learn about some of the important classical theories in Sociology 2.To know the theoretical foundations of Sociology 3.To development critical thinking analytical ability to interpret the social scenario
FOURTH	PAPER (4) A METHODS OF SOCIAL RESEARCH	1.Formulate Research Questions 2.Practice Observation and conduct interviews 3.Carry out small Research Project 4.To present their researched views in the form of a research report

	<p>PAPER (5) A</p> <p>RURAL SOCIOLOGY AND DEVELOPMENT</p>	<p>1.Can join in NGOs, CBOs, Projects of Funding Agencies ,CSR Units of Corporate/Business houses.</p> <p>2.Can join in Rural Development Organizations / Institutions as Social Worker, Community Mobilizer .</p> <p>3.Can set up Small Scale Industry in rural areas supported by State govt. Institutions, Indian Red Cross Society, District Rural Development Agency (DRDA) or District Industry Centre (DIC) of any district.</p> <p>4.Can join in State /National livelihoods Mission under Panchayati Raj Dept / Rural Development Dept. of the State / Nation as Manager or Programme Coordinator.</p> <p>5.Can start a Non- Governmental Organisation or Voluntary agency to serve for the welfare of the rural poor. Currently NGOs play a very crucial role in rural development, by organizing poor people in villages. The funds for running of such NGOs will be available from both Central and State governments on the basis of the projects and requirements of the NGOs.</p> <p>6.After completing the course, a student will have the ability to conduct Research on Rural Development.</p>
FIFTH	<p>PAPER (5) A</p> <p>SOCIAL DEMOGRAPHY</p>	<p>1.To enlighten the students about origin and development of Demography</p> <p>2.Gains the knowledge about the demographic population data</p> <p>3.Student will be able to understand Population theories causes and consequences of rapid population growth and Population Education</p>
	<p>PAPER(5) B</p>	<p>1.The Students will be able to understand the importance of Education</p> <p>2.To enhance knowledge on basic and different concepts of education</p>

	SOCIETY AND EDUCATION	<p>3.Acquire knowledge about education of weaker section</p> <p>4.To study the impact of Globalization on Education in India</p>
SIX	ELECTIVE PAPER(B) APPLICATIONS OF SOCIOLOGY	<p>Education for a New Century (Global Interdependence)Recognizes the global inter dependence of societies, economies, and environmental systems and the implications of his or her actions on the wider global environment, including the natural earth environment.</p> <p>Formulation and Testing of Sociological Hypothesis Students will understand the scientific method, identify sociological research questions, and use appropriate techniques to test them.</p> <p>The Leadership University (Reflection)Utilizes reflection to promote personal growth.</p> <p>Use of Appropriate Sociological Concepts in Problem Analysis Students will use appropriate sociological concepts and theories to understand social problems.</p> <p>Use of Resources for a Research Project Students will use appropriate resources and the discipline's annotation format for text citations and references in research projects.</p>
	ELCETIVE PAPER (B-1) RESEARCH METHODOLOGY	<p>1.Meaning Scope, types and significance of Social research</p> <p>2.Importance of Research Design in Social Research and how to formulate it</p> <p>3. How to collect, analyze data and how to wrote a field report Formulate Research Questions</p> <p>4.Practice Observation and conduct interviews</p>

		<p>5. Carry out small Research Project</p> <p>6. To present their researched views in the form of a research report</p>
	<p>ELECTIVE PAPER (B-2)</p> <p>GENDER STUDIES</p>	<p>1. Explain Gender in Sociological Analysis</p> <p>2. Describe the relation between Social structure and Gender inequality</p> <p>3. Understand theories and perspectives of feminism</p> <p>4. Analyse the relation between Gender and Development</p> <p>5. Explain the politics of Gender (Women's movements in pre-independence and post independence India. Current Women's movement, displacement and eco feminism Women Reservations as Socio-Political Issue</p>
	<p>ELECTIVE PAPER (B3)</p> <p>PROJECT WORK</p>	<p>1. Preparation of Questionnaire Schedule on given topic</p> <p>2. Data collection</p> <p>3. Data Analysis and Report Writing</p> <p>4. Viva-Voce</p>

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P. M.

PRINCIPAL
 S.K.R. Government Degree College (Women)
 RAJAMAHENDRAVARAM,
 East Godavari Dist., Andhra Pradesh

SKR COLLEGE FOR WOMEN ,RAJAMAHENDRAVARAM

Department of Mathematics odd Sem 2021-2022

Programme & Course outcomes

		Programme outcomes
	B.Sc – M.P.C , M.P.Cs, M.S.Cs	<p>The Bachelor of Science in Mathematics prepares graduates to understand fundamental concepts in the discipline of MATHEMATICS.</p> <p>The academic program will promote and realize gains in student success.</p> <p>The academic program will promote and realize efficiency in the delivery and completion of the program</p>
SEM	Name of the course	Course outcomes
Sem- 1	DIFFERENTIAL EQUATION	<p>After successful completion of this course, the student will be able to;</p> <p>Solve linear differential equations</p> <p>Convert non exact homogeneous equations to exact differential equations by using integrating factors</p> <p>Know the methods of finding solutions of differential equations of the first order but not of the first Degree.</p> <p>Solve higher-order linear differential equations, both homogeneous and non homogeneous, with constant coefficients.</p> <p>Understand the concept and apply appropriate methods for solving differential equations.</p>
Sem-3	ABSTRACT ALGEBRA	<p>After successful completion of this course, the student will be able to;</p> <p>acquire the basic knowledge and structure of groups, subgroups and cyclic groups.</p> <p>get the significance of the notation of a normal subgroups.</p> <p>get the behavior of permutations and operations on them.</p> <p>study the homomorphisms and isomorphisms with applications.</p> <p>Understand the ring theory concepts with</p>

		the help of knowledge in group theory and to prove theorems.
SEM-5B	LINEAR ALGEBRA	After successful completion of this course, the student will be able to; understand the concepts of vector spaces, subspaces, basis, dimension and their properties. understand the concepts of linear transformations and their properties apply Cayley- Hamilton theorem to problems for finding the inverse of a matrix and higher powers of matrices without using routine methods Learn the properties of inner product spaces and determine orthogonality in inner product spaces
Sem-5A	RING THEORY AND VECTOR CALCULUS	After successful completion of this course, the student will be able to get clear idea about the Ring theory, sub rings, integral domain, ideals, commutative ring, gradient of a vector, curl of a vector, divergent of a vector, greens theorem., gauss theorem, stokes theorem

Chyasa

P. A

SKR DEGREE COLLEGE FOR WOMEN ,RAJAMAHENDRAVARAM

Department of Mathematics Even Sem 2021-2022

Programme & Course outcomes

		Programme outcomes
	B.Sc – M.P.C , M.P.Cs, M.S.Cs	<p>The Bachelor of Science in Mathematics prepares graduates to understand fundamental concepts in the discipline of MATHEMATICS.</p> <p>The academic program will promote and realize gains in student success.</p> <p>The academic program will promote and realize efficiency in the delivery and completion of the program</p>
SEM	Name of the course	Course outcomes
Sem-2 (course 2)	THREE DIMENSIONAL ANALYTICAL SOLID GEOMETRY	<p>get the knowledge of planes.</p> <p>basic idea of lines, sphere and cones.</p> <p>understand the properties of planes, lines, spheres and cones.</p> <p>express the problems geometrically and then to get the solution.</p>
Sem-4 (course 4)	REAL ANALYSIS	<p>After successful completion of this course, the student will be able to get clear idea about the real numbers and real valued functions.</p> <p>obtain the skills of analyzing the concepts and applying appropriate methods for testing</p> <p>convergence of a sequence/series.</p> <p>Test the continuity and differentiability and Riemann integration of a function.</p> <p>Know the geometrical interpretation of mean value theorems.</p>

SEM-4 (course 5)	LINEAR ALGEBRA	<p>After successful completion of this course, the student will be able to; understand the concepts of vector spaces, subspaces, basis, dimension and their properties.</p> <p>understand the concepts of linear transformations and their properties</p> <p>apply Cayley- Hamilton theorem to problems for finding the inverse of a matrix and higher powers of matrices without using routine methods</p> <p>Learn the properties of inner product spaces and determine orthogonality in inner product spaces</p>
Sem-6(Elective)	NUMERICAL ANALYSIS	<p>After successful completion of this course, the student will be able to get clear idea about the Error in numerical computations, Algebraic and transcendental equations, forward and backward difference table, Newton Forward and Backward interpolation formulas, gauss forward and backward interpolation formula, Strilling – formula, Legranges , Newton divided difference formula in Interpolation</p>
Sem-6(cluster)	SPECIAL FUNCTION	<p>After successful completion of this course, the student will be able to; understand the concepts of Beta and Gamms functions, Hermite polynomials, Legendrs polynomials, Bessels equations, Laguerre polynomials.</p>
Sem-6(cluster)	ADVANCE NUMERICAL ANALYSIS	<p>Newton forward and newton backward differentiation formula, numerical differentiation and numerical integration, curve fitting, numerical solutions of ordinary differential equation.</p>

Chauhan

P. Me

 **SKR GOVERNMENT DEGREE COLLEGE (WOMEN)** 
RAJAMAHENDRAVARAM

Re-Accredited at B+ Grade by NAAC- Affiliated to Adikavi Nannaya University

Department of Commerce
2021 - 2022

B.Com programme:
Program Outcome

- This program could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Warehousing etc., well trained professionals to meet the requirements.
- After completing graduation, students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all Administration abilities of the Company.
- Capability of the students to make decisions at personal & professional level will increase after completion of this course.
- Students can independently startup their own Business.
- Students can get thorough knowledge of finance and commerce.
- The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.

Program Specific Outcome:

- The students can get the knowledge, skills and attitudes during the end of the B.com degree course.
- By goodness of the preparation they can turn into a Manager, Accountant, Management Accountant, cost Accountant, Bank Manager, Auditor,

Company Secretary, Teacher, Professor, Stock Agents, Government employments and so on.,

- Students will prove themselves in different professional exams like C.A. , C S, CMA, MPSC, UPSC. As well as other coeoces.
- The students will acquire the knowledge, skill in different areas of communication, decision making, innovations and problem solving in day to day business activities.
- Students will gain thorough systematic and subject skills within various disciplines of finance, auditing and taxation, accounting, management, communication, computer.
- Students can also get the practical skills to work as accountant, audit assistant, tax consultant, and computer operator. As well as other financial supporting services.
- Students will learn relevant Advanced accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.
- Students will be able to do their higher education and can make research in the field of finance and commerce.

Course Outcomes

Financial Accounting:

- To enable the students to learn principles and concepts of Accountancy.
- Students are enabled with the Knowledge in the practical applications of accounting.

- To enable the students to learn the basic concepts of Partnership Accounting, and allied aspects of accounting.
- The student will get thorough knowledge on the accounting practice prevailing in partnership firms and other allied aspects.
- To find out the technical expertise in maintaining the books of accounts.
- To encourage the students about maintaining the books of accounts for further reference.

Marketing and Salesmanship

- This course enables the students, the practical knowledge and the tactics in the marketing.
- To study and critically analyze the basic concepts and trends in Marketing.
- To aware of the recent changes in the field of marketing.

Computer Concepts and applications

- To make students familiar with computer environment & operating systems
- To introduce students with accounting packages like tally.
- To develop skill and knowledge among students in applications of internet in education of commerce.

Business Statistics

- To use and understand useful functions in business as well as the concept of EMI.
- To understand the different concept of population and sample and to make students familiar with Calculation of various types of averages and variation.
- To learn the applications of matrices in business.

- To understand the students to solve LPP to maximize the profit and to minimize the cost.
- To use regression analysis to estimate the relationship between two variables and to use frequency distribution to make decision.
- To understand the techniques and concept of different types of index numbers.

Business Environment and Entrepreneurship

- To make the students aware about the Business and Business Environment.
- To develop entrepreneurial awareness among students.
- To motivate students to make their mind set for thinking entrepreneurship as career.

Banking and Finance

- To familiar the students with the fundamentals of banking and thorough knowledge of banking operations.
- To build up the capability of students for knowing banking concepts and operations.
- To make the students aware of banking business and practices.
- To make understandable to the students regarding the new concepts introduced in the banking system.

Corporate Accounting

- This course aims to enlighten the students on the accounting procedures followed by the Companies.
- Student's skills about accounting standards will be developed.
- To make aware the students about the valuation of shares.
- To impart knowledge about holding company accounts, amalgamation, absorption and reconstruction of company

- To enable students to understand the reforms and other developments in the Indian Banking.
- To impart knowledge about functions and role of Reserve Bank of India.

Cost and works accounting I

- To understand Basic Cost concepts, Elements of cost and cost sheet.
- Providing knowledge about difference between financial accounting and cost accounting.
- Ascertainment of Material and Labor Cost.
- Student's Capability to apply theoretical knowledge in practical situation will be increased.

Computer Programming and Applications I

- To learn the skill how to use VBScript, transform Web pages from static text and images into functional, interactive, and dynamic e-commerce tools.
- To embed VBScript code in an HTML document.
- To use VBScript operators; write code that makes decisions based on existing conditions, using control structures and loops.
- To enable students with a communication of Web page visitor using Message and Input boxes.
- To use the DOM to control the layout of HTML pages, add effects, and get information from users.

A course in environmental studies

- To furnish awareness about environmental problems among people.

B. Rajkale
Incharge of the Department



P. [Signature]
 PRINCIPAL
 S.K.R. Government Degree College (Women)
 RAJAMAHENDRAVARAM.
 East Godavari Dist., Andhra Pradesh

S.K.R. COLLEGE FOR WOMEN, RAJAHMUNDRY
DEPARTMENT OF PHYSICS
COURSE OUTCOMES 2021-22

Semester - 1:

Mechanics

On successful completion of this course, the students will be able to:

- Understand Newton's laws of motion and motion of variable mass system and its application to rocket motion and the concepts of impact parameter, scattering cross section.
- Apply the rotational kinematic relations, the principle and working of gyroscope and its applications and the precessional motion of a freely rotating symmetric top.
- Comprehend the general characteristics of central forces and the application of Kepler's laws to describe the motion of planets and satellite in circular orbit through the study of law of Gravitation.
- Understand postulates of Special theory of relativity and its consequences such as length contraction, time dilation, relativistic mass and mass-energy equivalence.

Semester – II

Waves & Oscillations

On successful completion of this course, the students will be able to:

- Examine phenomena of simple harmonic motion and the distinction between un-damped, damped and forced oscillations and the concepts of resonance and quality factor with reference to damped harmonic oscillator.
- Appreciate the formulation of the problem of coupled oscillations and solve them to obtain normal modes of oscillation and their frequencies in simple mechanical systems.
- Figure out the formation of harmonics and overtones in a stretched string and acquire the knowledge on Ultrasonic waves, their production and detection and their applications in different fields.

Semester - 3:

Wave Optics:

On successful completion of this course, the student will be able to:

- Understand the phenomenon of interference of light and its formation in (i) Lloyd's single mirror due to division of wave front and (ii) Thin films, Newton's rings and Michelson interferometer due to division of amplitude.
- Distinguish between Fresnel's diffraction and Fraunhofer diffraction and observe the diffraction patterns in the case of single slit and the diffraction grating.
- Describe the construction and working of zone plate and make the comparison of zone plate with convex lens.
- Explain the various methods of production of plane, circularly and polarized light and their detection and the concept of optical activity..
- Comprehend the basic principle of laser, the working of He-Ne laser and Ruby lasers and their applications in different fields.
- Explain about the different aberrations in lenses and discuss the methods of minimizing them

Semester - 4:

Thermodynamics and Radiation Physics:

On successful completion of this course, the student will be able to:

- Understand the basic aspects of kinetic theory of gases, Maxwell-Boltzmann distribution law, equipartition of energies, mean free path of molecular collisions and the transport phenomenon in ideal gases
- Gain knowledge on the basic concepts of thermodynamics, the first and the second law of thermodynamics, the basic principles of refrigeration, the concept of entropy, the thermodynamic potentials and their physical interpretations.
- Understand the working of Carnot's ideal heat engine, Carnot cycle and its efficiency
- Develop critical understanding of concept of Thermodynamic potentials, the formulation of Maxwell's equations and its applications.

- Differentiate between principles and methods to produce low temperature and liquefy air and also understand the practical applications of substances at low temperatures.
- Examine the nature of black body radiations and the basic theories.

Semester - 5

Electricity, Magnetism and Electronics:

On successful completion of this course, the students will be able to:

- Understand the Gauss law and its application to obtain electric field in different cases and formulate the relationship between electric displacement vector, electric polarization, Susceptibility, Permittivity and Dielectric constant.
- Distinguish between the magnetic effect of electric current and electromagnetic induction and apply the related laws in appropriate circumstances.
- Understand Biot and Savart's law and Ampere's circuital law to describe and explain the generation of magnetic fields by electrical currents. Develop an understanding on the unification of electric and magnetic fields and Maxwell's equations governing electromagnetic waves.
- Phenomenon of resonance in LCR AC-circuits, sharpness of resonance, Q- factor, Power factor and the comparative study of series and parallel resonant circuits.
- Describe the operation of p-n junction diodes, zener diodes, light emitting diodes and transistors Understand the operation of basic logic gates and universal gates and their truth tables

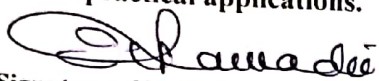
Semester – 6

Modern Physics:

On successful completion of this course, the students will be able to:

- Develop an understanding on the concepts of Atomic and Modern Physics, basic elementary quantum mechanics and nuclear physics. Develop critical understanding of concept of Matter waves and Uncertainty principle.
- Get familiarized with the principles of quantum mechanics and the formulation of Schrodinger wave equation and its applications.

- Examine the basic properties of nuclei, characteristics of Nuclear forces, salient features of Nuclear models and different nuclear radiation detectors.
- Classify Elementary particles based on their mass, charge, spin, half life and interaction. Get familiarized with the nano materials, their unique properties and applications. Increase the awareness and appreciation of superconductors and their practical applications.



Signature of In-Charge of the Dept.

Signature of Principal

S.K.R. COLLEGE FOR WOMEN, RAJAHMUNDRY
DEPARTMENT OF PHYSICS
LEARNING OUTCOMES
2021-22

Semester I

COURSE TITLE: Mechanics

- To understand basic theories related with properties of matter and its applications to determine values of various physical quantities associated with matter.
- Be able to apply knowledge of the properties of matter to explain natural physical processes and related technological advances.

Semester II

COURSE TITLE: Waves & Oscillations

- To learn about fundamentals of verbal and mathematical concepts of waves and oscillations
- We should make the students to know their skills required to get the information from the syllabus and use them in a proper way.

Semester III

COURSE TITLE: Wave Optics

- Understand the nature of light and principles of Laser and holography.
- Analyze the intensity variation of light due to interference, diffraction and polarization.
- Solve problems in Optics by selecting the appropriate equations and performing numerical or analytical calculations.
- Student can able to operation of optical devices including polarizers, interferometers, and Lasers.

Semester IV

COURSE TITLE: Thermodynamics Radiation Physics

- Students will be able to Perform experiments and interpret the results of observation, including making an assessment of experimental uncertainties.
- They develop the ability to apply the knowledge acquired in the classroom and laboratories to specific problems in theoretical and experimental Physics.
- To apply the theories learnt and the skills acquired to solve real time problems.
- To understand the concepts and significance of the various physical phenomena.

Semester V

COURSE TITLE: Electricity, Magnetism & Electronics

- To learn about Gauss law and solve the electric field and magnetic field for various geometric objects and to learn basic electronic concepts in analog and digital theory.
- To be Explain all the topics of Experiments, Concepts and Derivations to the student
- Apply the principles of electronics in day to day life.
- Encourage all the students to study higher educational courses in reputed institutes and to enrich the students with creative, logical and analytical skills and to motivate the students towards research side.

Semester VI

COURSE TITLE: Modern Physics

- To Create awareness on the topics of Atomic & Molecular Physics, Quantum mechanics, Nuclear Physics, and Solid state physics.
- To be Explain all the topics of Experiments, Concepts and Derivations to the student.
- Explain the basic principles of quantum mechanics and apply to Atomic, Molecular structure of energy levels etc..
- Motivate all the students to pursue PG courses in reputed institutes and to endow the students with creative and analytical skills; this will equip them to become entrepreneurs.



Signature of the In charge of the Dept.

Head of the Department of Physics.

Smt. KANDUKURI RAIYA LAKSHMI

GOLEGE FOR WOMEN,

RAJAHMUNDRY - 533 103

Validated by IQAC

SKR GDC (W), RAJAMAHENDRAVARAM		
Department of Chemistry 2021-2022		
Programme & Course outcomes		
		Programme outcomes
	BSC-MPC& CBZ	<p>and how it is affected by human activities.</p> <p>2. Acquire chemical knowledge to ensure sustainable use of the world's resources and ecosystems services.</p> <p>3. Engage in simple and advanced analytical tools used to measure the different types of pollution.</p> <p>4. Explain the energy crisis and different aspects of sustainability.</p> <p>5. Gain the knowledge of chemistry through theory and practicals</p> <p>6. Identify</p>
SEM	Name of the course	Course out comes
sem-1	Inorganic and Physical Chemistry	<p>Understand the basic concepts of p-block elements</p> <p>☑ Explain the difference between solid, liquid and gases in terms of intermolecular interactions.</p> <p>☑ Apply the concepts of gas equations, pH and electrolytes while studying other chemistry courses.</p>
sem-2	Organic & General Chemistry	<p>behavior of organic compounds based on fundamental concepts learnt.</p> <p>- Formulate the mechanism of organic reactions by recalling and correlating the fundamental properties of the reactants involved</p> <p>- Learn and identify many organic reaction mechanism including Free Radical Substitution,</p> <p>- Electrophilic Addition and Electrophilic</p>
Sem-3	Organic chemistry & Spectroscopy	<p>Understand preparation, properties and reactions of haloalkanes, haloarenes and oxygen containing functional groups.</p> <p>☑ Use the synthetic chemistry learnt in this course to do functional group transformations.</p> <p>☑ To propose plausible mechanisms for any relevant reaction</p>




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Sem-4	organic, Organic and Physical Chemist	To learn about the laws of absorption of light energy by molecules and subsequent photochemical reactions. ☑ To understand the concept of quantum efficiency and mechanisms of photochemical reactions
SEM-5	Inorganic & Physical Chemistry	Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values ☑ Application Of Quantization To Spectroscopy. ☑ Various types of spectra and their use in structure determination.
Sem-6	INORGANIC & PHYSICAL CHEMISTRY	Understand concepts Of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values 2. Application of quantization to spectroscopy. 3. Various types of spectra and their use in structure determination
cluster-A1	Polymer chemistry	chemical approach to polymers and the subject provides an introduction to polymer science with respect to synthesis, polymerization kinetics and network formation/gelation of macromolecules formed by step-growth and chain-growth polymerization. • To Study the, methods of measuring the molecular weight, polymerization kinetics and Copolymerization and polymer processing technologies. • To understand about radical and ionic
cluster-A2		To introduce the student to principles and theory of instrument analysis. ☑ To teach the student the correct operation of chemical instruments. ☑ To introduce the student to the techniques of troubleshooting instruments in the chemical laboratory. ☑ To emphasize the safe use of chemical instrumentation. ☑ To teach the student to solve problems related to the use of chemical instruments.



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East Godavari Dist., Andhra Pradesh



cluster-A3	Analysis of Drugs, Foods, Diary Products and Bio chemical analysis OUT COME SFOR 2021-22	Students in this course will learn about microbes in food, spoilage of food and preservation techniques of food. Milk and milk products:and nutritional importance of milk, processing of milk.
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East Godavari Dist., Andhra Pradesh



SKR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY
PROGRAMME OUTCOMES - 2021-2022

Programme Objectives and Outcomes	
B.Sc - CBZ	<p>1. Objectives:</p> <ul style="list-style-type: none">• To provide a comprehensive knowledge on various aspects related to microbes and plants.• To deliver knowledge on latest development in the field of plant sciences with a practical approach.• To produce a student who thinks independently, critically and discuss various aspect of plant life.• To enable the graduate to prepare and pass through National and international examination related to botany.• To empower the student to become an employee or an entrepreneur in the field of Botany/biology and to serve the nation. <p>2. Outcomes:</p> <ul style="list-style-type: none">• Understand the basic concepts of Botany in relation to its allied core courses.• Perceive the significance of microbes and plants for human welfare, construction and functional aspects of plants.• Demonstrate simple experiments related to plant sciences, analyse data and interrupt them with the theoretical knowledge.• Work in teams with enhanced interpersonal skills.• Develop the critical thinking with scientific temper.• Effectively communicate scientific Ideas both orally and writing.



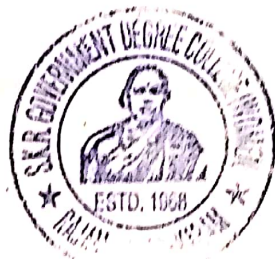
SKR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY
COURSE OUTCOMES - 2021-2022

SEM	NAME OF THE COURSE	COURSE OUT COMES
Sem - 1	Fundamentals of Microbes and Non Vascular Plants	<p>On successful completion of this practical course, student shall be able to:</p> <ul style="list-style-type: none">• Demonstrate the techniques of use of lab equipment, preparing slides and identify the material draw diagrams exactly as it appears.• Observe the identify microbes and lower groups of plants on their own.• Demonstrate the techniques of inoculation, preparation of media etc.• Identify the material in the permanent slides etc.
Sem - 2	Basics of Vascular plants and Phyto geography	<p>On Successful completion of this course students shall be able to:</p> <ul style="list-style-type: none">• Demonstrate the techniques of section cutting, plastic preparing slides, identifying of the material under drawing exact figures.• Compare and contrast the morphological, anatomical and reproductive features of vascular plants.• Identify the local angiosperms of the families prescribed to their genus and a species level and prepare herbarium.• Exhibit skills of preparing slides, identifying the given twigs in the lab and drawing figures of plant twigs, flowers and floral diagrams as they are.• Prepare and preserve specimens of local wild plants using herbarium technique.
Sem - 3	Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity	<p>On successful completion of this course student shall be able to:</p> <ul style="list-style-type: none">• Get familiarized with techniques of section making, staining and microscopic study of vegetative, anatomical and reproductive structure of plants• Observe externally and under microscope identify and draw exact diagrams of the material in the tab.• Demonstrate application of methods in plant ecology and conservation of biodiversity and qualitative and quantitative aspects related to population and communities of plants.
		<p>On successful completion of this course students shall be able to:</p>

Sem –4	Plant Physiology and Metabolism	<ul style="list-style-type: none"> • Conduct lab and field experiments per training to plant physiology that is bio physical and biochemical processes using related glassware equipment chemicals and plant material. • Estimate the quantities and qualitative expression using experimental results and calculations. • Demonstrate the factors responsible for growth and development in plants.
Paper – 4	Cell Biology, Genetics and Plant Breeding	<p>On successful completion of this course students shall be able to</p> <ul style="list-style-type: none"> • Show the understanding of techniques of demonstrating mitosis and meiosis in the laboratory and identify different stages of cell division. • Identify and explain with diagram the cellular parts of the cell from a model or picture and prepare models. • Solve the problems related to crosses and gene interaction. • Demonstrate plant breeding techniques such as emasculation and bagging.
Sem – 5	Plant Tissue Culture	<p>On successful completion of this course students shall be able to</p> <ul style="list-style-type: none"> • Different techniques of the plant tissue culture offers advantages over traditional methods of propagation, like: the production of exact copies of plants that produce particularly good flowers, fruits, or have other desirable traits are obtained, • Comprehend the basic knowledge and applications of plant tissue culture. • Identify various facilities required to setup a plant tissue culture laboratory. • Acquire a critical knowledge on sterilization techniques related to plant tissue culture. • Demonstrate skills of callus culture through hands on experience. • Understand the bio transformation technique for production of secondary metabolites.
Paper – 6 (C)	Mushroom Cultivation	<p>On successful completion of this course students shall be able to:</p> <ul style="list-style-type: none"> • Understand the structure and life of Mushroom and discriminate edible and poisonous mushroom. • Identify the basic infrastructure to establish a mushroom culture unit. • Demonstrate skills preparation of compost and spawn. • Acquire a critical knowledge on cultivation of some edible mushrooms.
Paper – 7(C)		

Sem -6	Internship	<ul style="list-style-type: none"> • Explain the methods of storage preparation of value added products and marketing. • Explore career alternatives prior to graduation. • Integrate theory and practice. • Assess interests and abilities in their field of study. • Learn to appreciate work and its function in the economy. • Develop work habits and attitudes necessary for job success. • Develop communication, interpersonal and other critical skills in the job interview process. • Build a record of work experience. • Acquire employment contacts leading directly to a full-time job following graduation from college. • Identify, write down, and carry out performance objectives (mutually agreed upon by the employer, the MCC experiential learning supervisor, and the student) related to their job assignment.
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East Godavari Dist., Andhra Pradesh



SKR COLLEGE FOR WOMEN; RAJAMAHENDRAVARAM
Reaccredited NAAC B+Grade



DEPARTMENT OF ZOOLOGY

PROGRAMME AND COURSE OUTCOMES

2021-2022

1. Knowledge of animals of phyla and their relationship with the environment.
2. Knowledge of the evolution of animals.
3. Environmental conservation and its importance, protection of endangered species.
4. Knowledge of agro – based industries like sericulture, pisciculture etc.
5. Students gain knowledge and skill in the fundamentals of animal science, understands the complex interactions among various living organisms.
6. Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.
7. Understands the complex evolutionary processes and behaviour of animals.
8. Understands about various concepts of genetics and its importance in human health.
9. Apply the knowledge and understanding of zoology to one's own life and work.

SEMESTER-I

PAPER-I ANIMAL DIVERSITY - BIOLOGY OF NONCHORDATES

- Describe general taxonomic rules on animal classification.
- Classify Protozoa to Coelenterate with taxonomic keys.
- Classify Phylum Platyhelminthes to Annelida phylum using examples from parasitic adaptation and vermin composting.
- Describe phylum Arthropoda to Mollusca examples and importance of insects and Molluscs.
- Describe Echinodermata to Hemichordate with suitable examples and larval stages in relation to the phylogeny.

SEMESTER-II

PAPER- II ANIMAL DIVERSITY - BIOLOGY OF CHORDATES

- Describe general taxonomic rules on animal classification of chordates.
- Classify Protochordata to Mammalian with taxonomic keys.
- Understand Mammals with specific structural adaptations.
- Understand the significance of dentition and evolutionary significance.

Understand the origin and evolutionary relationship of different phyla from Protochordata to Mammalian.

SEMESTER-III

PAPER-III Cell Biology , Genetics ,Molecular Biology and Evolution

- To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure.
- Describe fine structure and function of plasma membrane and different cell organelles of eukaryotic cell.
- To understand the history of origin of branch of genetics, gain knowledge on heredity, interaction of genes , various types of inheritance patterns existing in animals.
- Acquiring in – depth knowledge on various aspects of genetics involved in sex determination, human karyo typing and mutations of chromosomes resulting in various disorder.
- Understand the principles and forces of evolution of life on earth, the process of evolution of new species and apply the same to develop new and advanced varieties of animals for the benefit of the society.
- Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.

SEMESTER-IV

PAPER-IV(A) *Animal Physiology , Cellular Metabolism and Embrology*

- Developmental Biology and embryology. To understand the gametogenesis and fertilization.
- Formation and functions of foetal membrane in chick embryo.
- Elementary study of process of digestion.
- Ultra – structure of muscle fiber, molecular and chemical basis of muscle contraction.
- Hormonal control of reproduction in a mammal.
- To understand the basics of biomolecular and metabolic activities.

SEMESTER-IV

PAPER-V(B):- *Immunology and Animal Biotechnology*

- To understand the tools of recombinant DNA technology.
- Cloning vectors.
- Gene delivery.
- To understand the hybridization techniques.
- Animal cell technology .
- Transgenic animals.
- Manipulation of reproduction in animals.
- Agriculture fisheries monoculture in fishes.
- To understand the overview of immune system.
- Acquiring in – depth knowledge on antigens, antibodies, MHS and hypersensitivity.

SEMESTER-V

PAPER-V (A) ANIMAL BIOTECHNOLOGY

- To understand the tools of recombinant DNA technology.
- Cloning vectors.
- Gene delivery.
- To understand the hybridization techniques.
- Animal cell technology.
- Transgenic animals.
- Manipulation of reproduction in animals.
- Agriculture & industrial Bio technology.

SEMESTER-V

PAPER-V (B) ANIMAL HUSBANDRY

- To understand the principles of poultry farming
- Poultry feed management
- Methods of hatching
- Breeds of cattle's and buffaloes
- Housing of dairy animals
- Records to be maintained in dairy farm
- Care and management of dairy animals.

SEMESTER-VI

PAPER VI (ELECTIVE) CELLULAR METABOLISM AND MOLECULAR BIOLOGY

- To understand the basics of biomolecular and metabolic activities.
- Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.
- Enzymes classification and enzymes kinetics
- Cellular Metabolisms
- Cell Physiology (Plasma membrane transport, Cell junctions).

SEMESTER-VI

PAPER- VII-B-1(CLUSTER) PRINCIPLES OF AQUACULTURE

- To understand the basics of aquaculture.
- Major cultivable species for aquaculture.
- Types of aquaculture.
- Culture systems.
- Culture practices.
- Design and construction of Aquaculture
- Seed resources
- Nutrition and feeds
- Management of carp culture ponds
- Culture of giant fresh water prawn
- Culture of shrimp, pearl oysters, sea weeds and ornamental fishes.

SEMESTER-VI

PAPER- VIII-B-2 (CLUSTER) AQUACULTURE MANAGEMENT

- To understand the breeding and hatchery management.
- Water quality management.
- Feed formulation and manufacturing.
- Principles of disease diagnosis and health management.
- Economics and management.
- Fisheries and extensions.

SEMESTER-VI

PAPER- VIII-B-3 (CLUSTER) POSTHARVEST TECHNOLOGY

- Handling and principles of fish preservation.
- To understand the methods of fish preservation.
- Processing and preservation of fish and fish by products.
- Sea weeds products.
- Quality control of fish and fishery products.
- Quality assurance, management and certification.

SKR COLLEGE (W), RAJAMAHENDRAVARAM

DEPARTMENT OF COMPUTER SCIENCE 2021-2022

PROGRAMME & COURSE OUTCOMES

Programme	Course	Programme outcomes
BSC	MPCs & MSCs	<ol style="list-style-type: none"> 1. An ability to identify, formulate and develop solutions to computational challenges. 2. An ability to design, implement and evaluate a computational system to meet desired needs within realistic constraints. 3. An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals. 4. An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession. 5. An ability to communicate and engage effectively with diverse stakeholders. 6. An ability to analyze impacts of computing on individuals, organizations, and society
SEM	Name of the course	Course out comes
sem-1	Problem Solving in C Lab	<p>Upon successful completion of the course, a student will be able to:</p> <ul style="list-style-type: none"> • Understand the evolution and functionality of a Digital Computer. • Apply logical skills to analyse a given problem • Develop an algorithm for solving a given problem. • Understand 'C' language constructs like Iterative statements, Array processing, Pointers. • Apply 'C' language constructs to the algorithms to write a 'C' language program.
sem-2	Data Structures using C Lab	<p>Upon successful completion of the course, a student will be able to:</p> <ul style="list-style-type: none"> • Understand available Data Structures for data storage and processing. • Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph • Choose a suitable Data Structures for an application • Develop ability to implement different Sorting and Search methods.
sem-3	Database Management System Lab	<p>Upon successful completion of the course, a student will be able to:</p> <ul style="list-style-type: none"> • Gain knowledge of Database and DBMS. • Understand the fundamental concepts of DBMS with special emphasis on relational data model. • Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.

Sem-4	Object Oriented Programming using Java	<p>Understand the benefits of a well-structured program</p> <ul style="list-style-type: none"> • Understand different computer programming paradigms • Understand underlying principles of Object-Oriented Programming In Java • Develop problem-solving and programming skills using OOP concepts • Develop the ability to solve real-world problems through software development in high-level programming language like Java.
	Operating Systems	<p>Upon successful completion of the course, a student will be able to:</p> <ul style="list-style-type: none"> • Know Computer system resources and the role of operating system in resource management with algorithms • Understand Operating System Architectural design and its services. • Gain knowledge of various types of operating systems including Unix and Android. • Understand various process management concepts including scheduling, synchronization, and deadlocks. • Have a basic knowledge about multithreading.
SEM-5	(6A) Web Interface Designing Technologies	<p>Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values</p> <ul style="list-style-type: none"> · Application Of Quantization To Spectroscopy. · Various types of spectra and their use in structure determination.
	(7A) Web Applications Development using PHP & MYSQL	<p>Students after successful completion of the course will be able to:</p> <ol style="list-style-type: none"> 1. Write simple programs in PHP. 2. Understand how to use regular expressions, handle exceptions, and validate data using PHP. 3. Apply In-Built functions and Create User defined functions in PHP programming. 4. Write PHP scripts to handle HTML forms. 5. Write programs to create dynamic and interactive web based applications using PHP and MYSQL.

K. Raghun

P. A. S.