DEPARTMENT OF ENGLISH

CO's PO's and PSO's

PROGRAM OUTCOMES OF BA

By the end of the program the students will be able to:

1. Communicate effectively and appropriately.
2. Use English effectively for the purpose of study across the curriculum.
3. Develop interest in the appreciation of Literature.
4. Acquaint with communication skills.
5. Inculcate life skills and human values
6. Think creatively and critically
7. Expand emotional intelligence

BA I SEM GENERIC ENGLISH I

Course Outcomes (Basic English)

At the end of the course the student should be able to:

1. Acquire the LSRW (Listening, Speaking, Reading, and Writing) skills.
2. Learn to appreciate literary texts.
3. Obtain the knowledge of literary devices and genres.
4. Acquire the skills of creativity to express one's experiences.
5. Know how to use digital learning tools.
6. Be aware of their social responsibilities.
7. Develop critical thinking skills.
8. Develop gender sensitivity
9. Increase reading speed, analytical skills and develop presentation skills.

10. Become employable with requisite professional skills, ethics and values

BA II SEM GENERIC ENGLISH II

Course Outcomes (Basic English)

At the end of the course the student should be able to:

1. Acquire the LSRW (Listening, Speaking, Reading, and Writing) skills.
2. Learn to appreciate literary texts.
3. Obtain the knowledge of literary devices and genres.
4. Acquire the skills of creativity to express one's experiences.
5. Know how to use digital learning tools.
6. Be aware of their social responsibilities.
7. Develop critical thinking skills.
8. Develop gender sensitivity
9. Increase reading speed, analytical skills and develop presentation skills.
10. Become employable with requisite professional skills, ethics and values

BA III SEM

Generic English III

Course Outcomes

At the end of the course the students will have :

1. Acquired enhanced LSRW (Listening, Speaking, Reading, Writing) skills
2. Equipped themselves with interpersonal communication skills
3. Augmented presentation and analytical skills
4. Ability to critically analyse, interpret and appreciate literary texts

5. An awareness of social, cultural, religious and ethnic diversities

6. Facilitated employability in emerging sectors such as – content writers, interpreters,

translators, transcribers

7. Acquired language skills for competitive examinations -

UPSC/KPSC/IBPS/SSC/RAILWAYS/TOEFL/IELTS and others.

BA IV SEM

Generic English IV

COURSE OUTCOMES

By the end of the course the students will have:

1. Acquired creative, interpretative and critical thinking

2. Skills to communicate confidently and effectively

3. Obtained persuasive and creative social media writing skills

4. Developed analytical and evaluative skills

5. Learnt to identify and understand social contexts and ethical frameworks in the texts

6. Ability to articulate their views with clarity and confidence

7. Eligibility to take up jobs such as content writing, journalism and such other jobs with proficiency in English

Programme specific outcomes

i) Understand the basic concepts in language and literature.
ii) Define and distinguish between different concepts studied through their courses.
iii) Perceive linguistic and literary nuances in different types of texts.
iv) Understand the socio-historical significance of literary texts and their evolution through the representative samples contained in the course.
Acquire a more advanced knowledge of language through a study of different branches of linguistics, and the levels of linguistic analysis viz. phonology, morphology, syntax, semantics, and pragmatics.

v) Develop communicative competence by honing all the necessary skills, viz. listening, speaking, reading, and writing.
vi) Develop literary competence to appreciate all types of literature, including popular literature
vii) Articulate their ideas, thoughts, and opinions effectively in a logical and lucid manner and style.

Introduction to literature(DSC I)

Programme Outcomes

1.able to define, discuss and analyze literary terms and concepts of literature and its works

2. Identify structural elements of works of poetry, fiction, and drama, and analyze how those elements help create specific meanings and effects.

3. Compare works of literature in terms of theme, structure, and use of literary devices

Course Outcomes

At the end of the course the student should be able to:

1. designed to help learners understand the objectives of studying BA (Honours) in English, that is, to analyze,

appreciate, understand and critically engage with literary texts written in English, approaching them from various

perspectives and with a clear understanding of locations.

2. Correctly define commonly used literary terms and concepts and use those terms and concepts to discuss

and analyze works of literature.

3. Identify structural elements of works of poetry, fiction, and drama, and analyze how those elements help create specific meanings and effects.

4. Compare works of literature in terms of theme, structure, and use of literary devices

5. Gain an understanding of the concepts of literature

6. Appreciate literary form and structure in shaping a text's meaning

Indian English literature(DSC II)

Course Outcomes

At the end of the course the student should be able to:

1. designed to help learners understand the objectives of studying BA (Honours) in English, that is, to analyze,

appreciate, understand and critically engage with literary texts written in English, approaching them from various

perspectives and with a clear understanding of locations.

2. trace and understand the development of Indian English Literature

3. Compare works of literature in terms of theme, structure, and use of literary devices

4. appreciate literary form and structure in shaping a text's meaning

Introduction to Phonetics and Linguistics (DSC III)

Course Outcomes

1. Acquire the knowledge of Phonetics and

its concepts

2. Gain an understanding of Linguistics and its concepts

Indian English literature(DSC IV)

Course Outcomes

At the end of the course the student should be able to:

1. trace and understand the development of Indian English Literature

2. Compare works of literature in terms of theme, structure, and use of literary devices

3. develop critical thinking on the works and authors

TITLE - British Literature from Beginning to 1800 (DSC 5)

COURSE OUTCOME:

After completion of course, students will be able to:

1) Learn the important trends and movements in the British literature of the prescribed period

2) Identify and understand the canonical literature of England

3) Distinguish the poets, playwrights and novelists of different periods

4) Appreciate some representative texts of the prescribed period.

TITLE - INDIAN LITERATURE IN TRANSLATION (DSC 6)

COURSE OUTCOME :

After completion of course, students will be able to:

1) Understand the meaning and methods of translation

2) Comprehend the scope of translation in the modern age

3) Have the knowledge of Indian writers and literature in general

4) Appreciate the translated text

TITLE - BRITISH LITERATURE (19TH AND 20TH CENTURY) (PART 2)

COURSE OUTCOME

After completion of course, students will be able to:

1) Learn the important trends and movements in the British literature of prescribed period

2) Identify and understand canonical literature of England

3) Distinguish the poets, playwrights and novelists of different periods

4) Appreciate some representative texts of the prescribed period

TITLE – GENDER STUDIES (DSC 8)

COURSE OUTCOME :

After completion of course, students will be able to:

1. Understand the concept of gender studies

2. Learn the basics of patriarchy, sex and gender and gynocentrism

3. Understand the significance of Gender as a discourse

4. Appreciate literature by women writers

PROGRAM SPECIFIC OUTCOMES :

At the end of the BA (Hons) English Literature programme, students will be:

1. Exposed to and demonstrate a broad knowledge of major and minor writers, texts and

contexts and defining issues of canonical and non-canonical literature

2. Enriched by familiarity with other literatures and more importantly with Indian writers,

their ethos and tradition of writing and discourse

3. Refined in their skills of remembering, understanding, applying, analyzing, evaluating

and creating literature

4. Able to write with clarity, creativity and persuasiveness

5. Developing and demonstrating their awareness of the significance of literature and literary forms and the debates of culture they generate as values

6. Equipped with advanced literary, linguistic skills

7. Competent in the use of English from/for a variety of domains

8. Able to inculcate a spirit of inquiry and critical thinking

9. Able to articulate thoughts and generate/understand multiple interpretations

DEPARTMENT OF ENGLISH

PROGRAM OUTCOMES OF BSC

By the end of the program the students will be able to:

1. Communicate effectively and appropriately.
2. Use English effectively for the purpose of study across the curriculum.
3. Develop interest in the appreciation of Literature.
4. Acquaint with communication skills.
5. Inculcate life skills and human values
6. Think creatively and critically
7. Expand emotional intelligence

BSC I SEM GENERIC ENGLISH I

Course Outcomes (Basic English)

At the end of the course the student should be able to:

1. Acquire the LSRW (Listening, Speaking, Reading, and Writing) skills.
2. Learn to appreciate literary texts.
3. Obtain the knowledge of literary devices and genres.
4. Acquire the skills of creativity to express one's experiences.
5. Know how to use digital learning tools.
6. Be aware of their social responsibilities.
7. Develop critical thinking skills.
8. Develop gender sensitivity

9. Increase reading speed, analytical skills and develop presentation skills.

10. Become employable with requisite professional skills, ethics and values

BSC II SEM GENERIC ENGLISH II

Course Outcomes (Basic English)

At the end of the course the student should be able to:

1. Acquire the LSRW (Listening, Speaking, Reading, and Writing) skills.
2. Learn to appreciate literary texts.
3. Obtain the knowledge of literary devices and genres.
4. Acquire the skills of creativity to express one's experiences.
5. Know how to use digital learning tools.
6. Be aware of their social responsibilities.
7. Develop critical thinking skills.
8. Develop gender sensitivity
9. Increase reading speed, analytical skills and develop presentation skills.
10. Become employable with requisite professional skills, ethics and values

BSC III SEM

Generic English III

Course Outcomes

At the end of the course the students will have :

1. Acquired enhanced LSRW (Listening, Speaking, Reading, Writing) skills
2. Equipped themselves with interpersonal communication skills
3. Augmented presentation and analytical skills

4. Ability to critically analyse, interpret and appreciate literary texts

5. An awareness of social, cultural, religious and ethnic diversities

6. Facilitated employability in emerging sectors such as – content writers, interpreters,

translators, transcribers

7. Acquired language skills for competitive examinations -

UPSC/KPSC/IBPS/SSC/RAILWAYS/TOEFL/IELTS and others.

BSC IV SEM

Generic English IV

COURSE OUTCOMES

By the end of the course the students will have:

1. Acquired creative, interpretative and critical thinking

2. Skills to communicate confidently and effectively

3. Obtained persuasive and creative social media writing skills

4. Developed analytical and evaluative skills

5. Learnt to identify and understand social contexts and ethical frameworks in the texts

6. Ability to articulate their views with clarity and confidence

7. Eligibility to take up jobs such as content writing, journalism and such other jobs with proficiency in English

Programme specific outcomes

i) Understand the basic concepts in language and literature.
ii) Define and distinguish between different concepts studied through their courses.
iii) Perceive linguistic and literary nuances in different types of texts.
iv) Understand the socio-historical significance of literary texts and their evolution through the representative samples contained in the course.

v) Acquire a more advanced knowledge of language through a study of different branches of linguistics, and the levels of linguistic analysis viz. phonology, morphology, syntax, semantics, and pragmatics.

vi) Develop communicative competence by honing all the necessary skills, viz. listening, speaking, reading, and writing.

vii) Develop literary competence to appreciate all types of literature, including popular literature

viii) Articulate their ideas, thoughts, and opinions effectively in a logical and lucid manner and style.

CBCS COURSE OUTCOMES

Semester V:– Literary Criticism and Theory(PAPER 1)

On successful completion of CBCS English courses, an undergraduate student will be able to:

1) Read, understand, and interpret a variety of written texts

2) Undertake guided and extended writing using appropriate vocabulary and correct grammar

3) Listen and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation

4) Become employable with requisite professional skills, ethics and values

Semester V:– Linguistics and ELT (PAPER 2)

- Understanding the brain's language faculty and functions
- Understanding the processes involved in sentence formation
- Describing discourse structure
- Classifying language disorders
- Understanding the role of language in constructing and reflecting social identities
- Understanding the distinctive properties of human language
- Enhancing English language proficiency in the aspects of reading, writing, listening, and speaking
- Developing academic literacy required for undergraduate learning, further studies, and research

- Applying the requisite communicative skills and strategies to future careers.

Semester VI – English Language and Phonetic

Course Outcomes

1. Acquire the knowledge of Phonetics and its concepts
2. Gain an understanding of Linguistics and its concepts

Semester VI Indian English Literature

Course Outcomes

At the end of the course the student should be able to:

1. trace and understand the development of Indian English Literature
2. Compare works of literature in terms of theme, structure, and use of literary devices
3. develop critical thinking on the works and authors

Programme specific outcomes

i) Understand the basic concepts in language and literature.
ii) Define and distinguish between different concepts studied through their courses.
iii) Perceive linguistic and literary nuances in different types of texts.
iv) Understand the socio-historical significance of literary texts and their evolution through the representative samples contained in the course. Acquire a more advanced knowledge of language through a study of different branches of linguistics, and the levels of linguistic analysis viz. phonology, morphology, syntax, semantics, and pragmatics.
v) Develop communicative competence by honing all the necessary skills, viz. listening, speaking, reading, and writing.
vi) Develop literary competence to appreciate all types of literature, including popular literature
vii) Articulate their ideas, thoughts, and opinions effectively in a logical and lucid manner and style.

Head
Department of English
S.S.Arts College & T.P.Science Institute
SANKESHWAR

PRINCIPAL
S.S.Arts College & T P Science Institute
SANKESHWAR

S.S. Arts College & T. P. Science Institute SANKESHWAR

SDVS Sangh's

S.S ARTS COLLEGE AND T.P SCIENCE INSTITUTE, SANKESHWAR

DEPARTMENT OF KANNADA

Name of the Program : B.A

Programme outcome:

1 ರಾಜ್ಯ ಭಾಷೆಯನ್ನು ಸುಲಭವಾಗಿ ಕಲಿಯಲು ಅವರಿಗೆ ಕಲಿಸಲು ಮತ್ತು ಪೋರೇಪಿಸಲು ಮತ್ತು ಉತ್ತಮ ಸಂವಹನ ಕೌಶಲ್ಯಕ್ಕಾಗಿ ಆತ್ಮವಿಶ್ವಾಸವನ್ನು ಸಕ್ರಿಯಗೊಳಿಸುತ್ತದೆ.

2: ಭಾಷೆಯ ಮೂಲಗಳು ಮತ್ತು ವ್ಯಾಕರಣದ ಜ್ಞಾನವನ್ನು, ಹೆಚ್ಚಿಸಲು ಭಾಷಾ ವಿಭಾಗವು ಕಾರ್ಯ ನಡೆಸುತ್ತದೆ.

3: ಪರಸ್ಪರ ಮತ್ತು ಸಂವಹನ ಕೌಶಲ್ಯಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಮತ್ತು ತೀಕ್ಷ್ಣಗೊಳಿಸಲು.

4: ಕನ್ನಡ ಭಾಷೆಯ ಕಲಿಕೆಯ ಪ್ರಕ್ರಿಯೆಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಪರಿಣಾಮಕಾರಿಯಾಗಿ ತರಬೇತಿ ನೀಡುತ್ತದೆ.

5: ಕಲಿಯುವವರಿಗೆ ಇತಿಹಾಸ, ವಿಕಾಸ, ಸಾಹಿತ್ಯ ಚಳುವಳಿಗಳು ಮತ್ತು ಜೀವನದ ನೈತಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸಲು ಕನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ಸಾಹಿತ್ಯಿಕ ರೂಪಗಳ ಅಭಿವೃದ್ಧಿಯಾಗುವುದರೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಬೆಳವಣಿಗೆಗೆ ಸಹಕರಿಸುತ್ತವೆ.

Course Outcome BA I st sem Ability Enhancement Compulsory Course

1ಕನ್ನಡ ನಾಡು ನುಡಿ ಕುರಿತು ಅಭಿಮಾನವನ್ನು ಮೂಡಿಸುವುದು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಾಮರ್ಥ್ಯ ಸಂವರ್ಧನೆಗೆ ಅಗತ್ಯವಿರುವ ಭಾಷಿಕ ,ಬೌದ್ಧಿಕ ವಾತಾವರಣವನ್ನು ಸೃಷ್ಟಿಸುವುದು.

2.ಶೈಕ್ಷಣಿಕ, ವವ್ಯಹಾರಿಕ ನೈತಿಕ ಕಾಳಜಿಗಳನ್ನು ಗಮನದಲ್ಲಿಟ್ಟುಕೊಂಡು ಮಾನವೀಕರಣ ಪ್ರಕ್ರಿಯೆಯ ಉಪಕ್ರಮವಾಗಿ ಚರ್ಚೆಗೆ ಚೌಕಟ್ಟನ್ನು ಕಲ್ಪಿಸಿಕೊಡಲಾಗಿದೆ.

3ಅಧ್ಯಾಪಕರುಗಳು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಮೂಡಿಸಲು ವಿಭಿನ್ನ ಬೋಧನೋಪಕರಣಗಳನ್ನು ಹಾಗೂ ಜ್ಞಾನದ ಇತರ ಸಾಮಗ್ರಿಗಳನ್ನು ಬಳಸಿಕೊಳ್ಳಲು ಔಚಿತ್ಯವಾದ ವಾತಾವರಣವನ್ನು ಸೃಷ್ಟಿಸಲಾಗಿದೆ.

4 ಕನ್ನಡ ಭಾಷೆಯಿಂದ ಅಮೂಲ್ಯವಾದ ನಮ್ಮ ಸಂಸ್ಕೃತಿಯನ್ನು ಕಾಣುವ ಸೌಲಭ್ಯವು ದೊರೆಯುತ್ತದೆ .

ಇದರಿಂದ ಕನ್ನಡ ಭಾಷೆಯ ಸೊಬಗು ಮತ್ತು ಅದರ ಮಹತ್ವವನ್ನು ನಾವೆಲ್ಲರೂ ಅರಿಯುತ್ತೇವೆ.

5.ಪರಸ್ಪರ ತಮ್ಮ ಭಾವನೆಗಳನ್ನು ಹಂಚಿಕೊಳ್ಳಲು ಮತ್ತು ಸಂವಹನ ನಡೆಸಲು ಇರುವ ಏಕೈಕ ಮಾರ್ಗ ಎಂದರೆ ಭಾಷೆ.

Course outcome BA DSC-1 First sem Major Kannada

1 ಕನ್ನಡ ಭಾಷೆಯ ಮಹತ್ವ ಮತ್ತು ಕನ್ನಡ ಭಾಷೆಯ ಇತಿಹಾಸದ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳಬಹುದು.

2.ಕನ್ನಡ ಭಾಷೆ ಕೇವಲ ಒಂದು ಭಾಷೆಯಲ್ಲ ಅದು ತನ್ನದೇ ಆದ ಭವ್ಯ ಇತಿಹಾಸ ಪರಂಪರೆಯನ್ನು ಹೊಂದಿದೆ, ಭಾರತ ದೇಶದ ಪ್ರಮುಖ ಭಾಷೆಗಳಲ್ಲಿ ಒಂದಾದ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಕರ್ನಾಟಕದಲ್ಲಿ ಮಾತೃ ಭಾಷೆಯಾಗಿ ಬಳಸುತ್ತಾರೆ, ಮನುಷ್ಯ ಮನುಷ್ಯರ ನಡುವೆ ಭಾವನೆಗಳನ್ನು ಹಂಚಿಕೊಳ್ಳಲು ಇರುವ ಏಕೈಕ ಮಾರ್ಗ ಎಂದರೆ ಭಾಷೆ.

3 ವೈವಿಧ್ಯತೆಯಲ್ಲಿ ಏಕತೆಯನ್ನು ಕಾಣುವ ಭಾರತ ದೇಶದಲ್ಲಿ ಬೆಳೆದಿರುವ ಹಾಗೂ ಬೆಳೆಯುತ್ತಿರುವ ಅನೇಕ ಭಾಷೆಗಳಲ್ಲಿ ನಮ್ಮ ಕನ್ನಡ ಭಾಷೆಯೂ ಒಂದಾಗಿದೆ.

4.ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಕುರಿತು ಆಳವಾದ ಜ್ಞಾನವನ್ನು ಬಿತ್ತರಿಸುವುದು.

5.ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಮನೋವೈಜ್ಞಾನಿಕವಾದ ಮನೋಭಾವವನ್ನು ಬೆಳೆಸುವವುದು

Course outcome BA DSC-2 First sem Major Kannada

1) ಪ್ರಾಚೀನ ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಕುರಿತು ತಿಳಿದುಕೊಳ್ಳುವುದು.
2) ಪ್ರಾಚೀನ ಕನ್ನಡ ಸಾಹಿಸ್ಯದ ಪ್ರಭಾವ ಪ್ರೇರಣೆಗಳನ್ನು ಕುರಿತು ತಿಳಿದುಕೊಳ್ಳುವರು.
3) ಮಧ್ಯಕಾಲಿನ ಕನ್ನಡದ ಭಾಷೆಯ ಜ್ಞಾನವನ್ನು ಪಡೆದುಕೊಳ್ಳುವರು.
4) ಪ್ರಾಚೀನ ಕಾಲದ ಮೌಲ್ಯಗಳನ್ನು ಕಾವ್ಯಗಳ ಮುಖೇನ ಅರಿತುಕೊಳ್ಳುವದು.
5) ಶಾಸ್ತ್ರೀಯ ಭಾಷಾ ಸ್ಥಾನಮಾನವನ್ನು ಹೊಂದಿದ ನಮ್ಮ ಕನ್ನಡದ ಕುರಿತು ಸದೀರ್ಘವಾದ ಜ್ಞಾನವನ್ನು ಬಿತ್ತರಿಸುವುದು.

OEC –Course Outcomes "BA I-II sem

1) ಹಲವಾರು ಲೇಖಕರ ಕಥೆಗಳ ಮೂಲಕ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಜೀವನದ ಕಲೆಯ ಕುರಿತು ಮಾರ್ಗದರ್ಶನ ಮಾಡುವುದು.
2) ಕಥೆಗಳು ಜೀವನದ ಪ್ರತಿಬಿಂಬವಾಗಿ ಮನುಷ್ಯನ ಕಲಿಕೆಗೆ ಉತ್ತಮ ನಿದರ್ಶನಗಳನ್ನು ಪಡೆದುಕೊಳ್ಳುತ್ತಾರೆ.
3) ಸಾಮಾನ್ಯ ಬದುಕಿನ ವ್ಯವಹಾರಕ್ಕೆ ವಿದ್ಯಾರ್ಥಿಗೆ ಅಗತ್ಯವಿರುವ ಸಾಮರ್ಥ್ಯ ಕಲಿಕೆಗೆ ನೆರವಾಗುವುದು.
4) ಕಥೆಗಳ ಮೂಲಕ ಮನುಷ್ಯ ಜ್ಞಾನವನ್ನು ಪಡೆಯುವುದರ ಜೊತೆಗೆ ಒಳ್ಳೆಯ ನೀತಿಯನ್ನು ಕಲಿತುಕೊಳ್ಳುವುದು.
5) ಕಥೆ ಜೀವನಕ್ಕೆ ಅತ್ಯಂತ ಪೂರಕ ಹಾಗೂ ವ್ಯಾಪಕ ಸರಕು ಎಂಬುದರ ಕುರಿತು ಜ್ಞಾನವನ್ನು ಕಲೆಹಾಕುವದು.

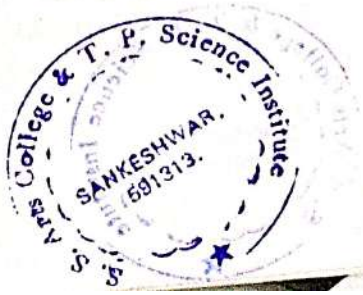
Functional Kannada – Course Outcomes :BA/BSC I/II sem

1) ಕನ್ನಡೇತರರಿಗೆ ಕನ್ನಡವನ್ನು ಕಲಿಸುವದು. ಅವರಲ್ಲಿ ಸಾಮಾನ್ಯ ಕನ್ನಡದ ಕುರಿತು ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವುದು.
2) ಅಕ್ಷರ ಜ್ಞಾನವನ್ನು ಮೂಡಿಸುವುದರ ಜೊತೆಗೆ ಕೆಲವು ದಿನ ಬಳಕೆಯ ಪದಾರ್ಥಗಳ ಕುರಿತು, ವಸ್ತುಗಳ ಕುರಿತು, ಮಾಹಿತಿ ಮೂಡಿಸುವದು.
3) ಕರ್ನಾಟಕದ ಮಹತ್ವ ಹಾಗೂ ಐತಿಹಾಸಿಕ ತಾಣಗಳು, ಪ್ರಸಿದ್ಧ ಕವಿ–ಕೃತಿಗಳ ಕುರಿತು ಜ್ಞಾನ ನೀಡುವದು.
4) ಕನ್ನಡೇತರ ವಿದ್ಯಾರ್ಥಿ ಸಾಮಾನ್ಯವಾಗಿ ಕನ್ನಡವನ್ನು ಕಲಿತು ಸಾಮಾನ್ಯವಾಗಿ ವ್ಯವಹರಿಸುವಲ್ಲಿ ಪ್ರಯತ್ನ ಮಾಡುವದು.
5) ಪರಿಸರದ ಕುರಿತು ಇತಿಹಾಸದ ಕುರಿತು, ಸಾಮಾನ್ಯ ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವುದು

Course outcome BA DSC-3 second sem Major Kannada

1 ಕನ್ನಡ ಭಾಷೆಯ ಮಹತ್ವ ಮತ್ತು ಕನ್ನಡ ಭಾಷೆಯ ಇತಿಹಾಸದ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳಬಹುದು

ಹರಿಹರ ರಗಳೆ ಸಾಹಿತ್ಯವನ್ನು ಬಳಕೆಗೆ ತಂದನು, ತನ್ನ ಶೈವ ಮತ್ತು ವೀರಶೈವ ಕೃತಿಗಳ ಮೂಲಕ. ರಾಘವಾಂಕ ತನ್ನ ಆರು ಕೃತಿಗಳ ಮೂಲಕ ಷಟ್ಪದಿ ಛಂದಸ್ಸನ್ನು ಜನಪ್ರಿಯಗೊಳಿಸಿದನು. ಅವನ ಮುಖ್ಯ ಕೃತಿ **ಹರಿಶ್ಚಂದ್ರ ಕಾವ್ಯ**, ಪೌರಾಣಿಕ ಪಾತ್ರವಾದ ಹರಿಶ್ಚಂದ್ರನ ಜೀವನವನ್ನು ಕುರಿತದ್ದು. ಈ ಕೃತಿ ಸಹ ತನ್ನ ತೀವ್ರವಾದ ಮಾನವತಾವಾದಕ್ಕೆ ಪ್ರಸಿದ್ಧವಾಗಿದೆ.ಜಾತಿಪದ್ಧತಿಯ ತಾರತಮ್ಯಗಳಿಂದ **ಬಂಡಾಯ** ಮತ್ತು **ದಲಿತ** ಕಾವ್ಯ ಪ್ರೇರಿತವಾಗಿದೆ.



2ವಚನಗಳು ಅಂದಿನ ಕಾಲದ ಸಾಮಾಜಿಕ, ಧಾರ್ಮಿಕ ಮತ್ತು ಆರ್ಥಿಕ ಪರಿಸ್ಥಿತಿಗಳ ಬಗೆಗಿನ ಯೋಚನಾಧಾರೆಗಳು. ಇನ್ನೂ ಮುಖ್ಯವಾಗಿ, ವಚನ ಸಾಹಿತ್ಯ ಅಂದಿನ ಸಾಮಾಜಿಕ ಕ್ರಾಂತಿಯ ಪ್ರಕ್ರಿಯೆಗೆ ಕನ್ನಡಿ ಹಿಡಿಯುತ್ತದೆ. ಬಸವಣ್ಣನವರಿಂದ ಆರಂಭವಾದ ಈ ಕ್ರಾಂತಿ ಜಾತಿ, ಮತ, ಧರ್ಮಗಳ ಯೋಚನೆಗಳ ಕ್ರಾಂತಿಕಾರಿ ಮರು-ಪರಿಶೀಲನೆಗೆ ದಾರಿ ಮಾಡಿಕೊಡುತ್ತದೆ.

3. ದಾಸ ಸಾಹಿತ್ಯ ಸಂಗೀತ ಪದ್ಧತಿಗಳಲ್ಲೊಂದಾದ ಕರ್ನಾಟಕ ಸಂಗೀತಕ್ಕೆ ಬುನಾದಿಯಾಗಿದೆ. ದಾಸರ ಪದಗಳಿಗೆ ದೇವರನಾಮಗಳೆಂದೂ ಹೆಸರು ಜ್ಞಾನವನ್ನು ಮೂಡಿಸುವುದು

4 ಪಂಪನ ವಿಕ್ರಮಾರ್ಜುನ ವಿಜಯ ಅಥವಾ **ಪಂಪ ಭಾರತ** ಇಂದಿಗೂ ಮೇರು ಕೃತಿಯೆಂದು ಪರಿಗಣಿತವಾಗಿದೆ. ಪಂಪ ಭಾರತ ಮತ್ತು ತನ್ನ ಇನ್ನೊಂದು ಮುಖ್ಯಕೃತಿಯಾದ **ಆದಿಪುರಾಣ**ದ ಮೂಲಕ ಪಂಪ ಕನ್ನಡ ಕಾವ್ಯಪರಂಪರೆಯ ದಿಗ್ಗಜರಲ್ಲಿ ಒಬ್ಬನಾಗಿದ್ದಾನೆ. ಪಂಪ ಭಾರತ ಸಂಸ್ಕೃತ ಮಹಾಭಾರತದ ಕನ್ನಡ ರೂಪಾಂತರ. ತನ್ನ ಮಾನವತಾವಾದ ಹಾಗೂ ಗಂಭೀರ ಲೇಖನಶೈಲಿಯ ಮೂಲಕ ಕನ್ನಡದ ಅತ್ಯಂತ ಪ್ರಭಾವಶಾಲಿ ಲೇಖಕರಲ್ಲಿ ಒಬ್ಬನಾಗಿದ್ದಾನೆ.' ಮಾನವ ಕುಲ ತಾನೊಂದೇ ವಲಂ' ಎಂದು ವಿಶ್ವಮಾನವ ತತ್ವವನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮನದಟ್ಟು ಮಾಡಿಸುವುದು.

5 ಹರಿಹರ ರಗಳೆ ಸಾಹಿತ್ಯವನ್ನು ಬಳಕೆಗೆ ತಂದನು, ತನ್ನ ಶೈವ ಮತ್ತು ವೀರಶೈವ ಕೃತಿಗಳ ಮೂಲಕ. ರಾಘವಾಂಕ ತನ್ನ ಆರು ಕೃತಿಗಳ ಮೂಲಕ ಷಟ್ಪದಿ ಛಂದಸ್ಸನ್ನು ಜನಪ್ರಿಯಗೊಳಿಸಿದನು. ಅವನ ಮುಖ್ಯ ಕೃತಿ **ಹರಿಶ್ಚಂದ್ರ ಕಾವ್ಯ**, ಪೌರಾಣಿಕ ಪಾತ್ರವಾದ ಹರಿಶ್ಚಂದ್ರನ ಜೀವನವನ್ನು ಕುರಿತದ್ದು. ಈ ಕೃತಿ ಸಹ ತನ್ನ ತೀವ್ರವಾದ ಮಾನವತಾವಾದಕ್ಕೆ ಪ್ರಸಿದ್ಧವಾಗಿದೆ.

Course outcome BA DSC-4 Second sem Major Kannada

1ಮಧ್ಯಕಾಲಿನ ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಸಂಪೂರ್ಣ ಜ್ಞಾನವನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನೀಡುವುದು.

2. ವಚನ ಸಾಹಿತ್ಯದಿಂದ ಬಂದ ಮುಖ್ಯ ಬೋಧನೆಗಳೆಂದರೆ **ಕಾಯಕವೇ ಕೈಲಾಸ** ಮತ್ತು ಅಧ್ಯಾತ್ಮಿಕತೆಯ ಬಗ್ಗೆ ಹೊಸ ನೋಟ. ವಚನ ಸಾಹಿತ್ಯದ ಪ್ರಮುಖ ಹರಿಕಾರರೆಂದರೆ ಬಸವೇಶ್ವರ (೧೧೩೪-೧೧೯೬), ಅಲ್ಲಮಪ್ರಭು ಮತ್ತು ಕನ್ನಡದ ಮೊದಲ ಮಹಿಳಾ ಲೇಖಕಿಯಾದ ಅಕ್ಕ ಮಹಾದೇವಿ (೧೨ನೇ ಶತಮಾನ).

ಇವರಲ್ಲದೆ ದೇವರ ದಾಸಿಮಯ್ಯ, ಅಂಬಿಗರ ಚೌಡಯ್ಯ ಇನ್ನೂ ಮೊದಲಾದ ವಚನಕಾರರು ವಚನ ಸಾಹಿತ್ಯಕ್ಕೆ ಉತ್ತಮ ಕಾಣಿಕೆ ನೀಡಿದ್ದಾರೆ.

3. ವಚನಗಳು ಅಂದಿನ ಕಾಲದ ಸಾಮಾಜಿಕ, ಧಾರ್ಮಿಕ ಮತ್ತು ಆರ್ಥಿಕ ಪರಿಸ್ಥಿತಿಗಳ ಬಗೆಗಿನ ಯೋಚನಾಧಾರೆಗಳು. ಇನ್ನೂ ಮುಖ್ಯವಾಗಿ, ವಚನ ಸಾಹಿತ್ಯ ಅಂದಿನ ಸಾಮಾಜಿಕ ಕ್ರಾಂತಿಯ ಪ್ರಕ್ರಿಯೆಗೆ ಕನ್ನಡಿ ಹಿಡಿಯುತ್ತದೆ. ಬಸವಣ್ಣನವರಿಂದ ಆರಂಭವಾದ ಈ ಕ್ರಾಂತಿ ಜಾತಿ, ಮತ, ಧರ್ಮಗಳ ಯೋಚನೆಗಳ ಕ್ರಾಂತಿಕಾರಿ ಮರು-ಪರಿಶೀಲನೆಗೆ ದಾರಿ ಮಾಡಿಕೊಟ್ಟಿತು.

4. ಮೂಲ ದ್ರಾವಿಡದಿಂದ ಕನ್ನಡ ಬೇರೆಯಾದ ಮೇಲೆ ಸಂಸ್ಕೃತ ಮತ್ತು ಪ್ರಾಕೃತಗಳು ವಿಶೇಷವಾಗಿ ಅದನ್ನು ಪೋಷಿಸಿ ಬೆಳೆಸಿದವು. ಇವೆರೆಡೂ ಭಾಷೆಗಳ ಸಾರ ಹೀರಿದ ಕನ್ನಡ ಹೆಮ್ಮರವಾಗಿ ಬೆಳೆಯಿತು. ಜತೆಯಲ್ಲಿ ಸ್ವಂತಿಕೆಯನ್ನೂ ಕಾಯ್ದುಕೊಂಡಿತ್ತು. ಇಂತಹ ವಿಷಯಗಳಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಾಹಿತ್ಯದ ಜ್ಞಾನವನ್ನು ತುಂಬುವುದು.

5. *"ಒಟ್ಟಿನಲ್ಲಿ ಭಾಷೆ ಮತ್ತು ಸಾಹಿತ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಅಪರೂಪದ ಮತ್ತು ಅಪೂರ್ವ ಕ್ರಾಂತಿಯೇ ಈ ಯುಗದಲ್ಲಾಯಿತು"*

BSc Programme Outcomes:

1) ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಾಮರ್ಥ್ಯ ಸಂವರ್ಧನೆಗೆ ಅಗತ್ಯವಿರುವ ಭಾಷಿಕ, ಬೌದ್ಧಿಕ, ಶೈಕ್ಷಣಿಕ, ವ್ಯವಹಾರಿಕ, ನೈತಿಕ ಮತ್ತು ಸಾಂಸ್ಕೃತಿಕ ಕಾಳಜಿಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳುವರು.
2) ಅಧ್ಯಾಪಕರುಗಳು ವಿಧ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಮೂಡಿಸಲು ವಿಭಿನ್ನ ಬೋಧನೋಪಕರಣಗಳನ್ನು ಹಾಗೂ ಜ್ಞಾನದ ಇತರ ಸಾಮಗ್ರಿಗಳನ್ನು ಬಳಸುವುದರಿಂದ ಬಹುಶಿಸ್ತಿನ ಅಧ್ಯಯನವನವನ್ನು ಪಡೆಯುತ್ತಾರೆ
3) ಕನ್ನಡ ನಾಡು–ನುಡಿಯ ಕುರಿತು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಅರಿವು ಮೂಡಿಸಲಾಗುತ್ತದೆ.
4) ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ವೈಜ್ಞಾನಿಕ ಯುಗದಲ್ಲಿ ವೈಚಾರಿಕವಾಗಿ ಬೆಳೆಯುವಲ್ಲಿ ಪ್ರೋತ್ಸಾಹಿಸುವುದು.
5) ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಒಟ್ಟಾರೆ ಮಾನವೀಯತೆಯ ಮೌಲ್ಯಗಳ ಕುರಿತು ಅರಿವು ಮೂಡಿಸುವುದು.

BSc I sem ,Course Outcome Ability Enhancement Compulsory course :

1) ಮೌಡ್ಯತೆ, ಕಂದಾಚಾರವನ್ನು ಪರಿಶೀಲಿಸಿ ಅವರನ್ನು ವೈಜ್ಞಾನಿಕವಾಗಿ ಜಾಗೃತಿಗೊಳಿಸುವ ಪ್ರಯತ್ನ.
2) ಕನ್ನಡ ಭಾಷೆಯ ಶ್ರೀಮಂತಿಕೆ ಹಾಗೂ ಅವರ ವೈಶಿಷ್ಟ್ಯತೆಯ ಕುರಿತು ತಿಳಿಸುವುದು.

3) ಭೂಮಿ, ಪರಿಸರ, ಪ್ರಕೃತಿಯ ಕುರಿತು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ವಿಶೇಷ ಜ್ಞಾನವನ್ನು ಮೂಡಿಸುವುದು.

4) ಜಾನಪದ, ಹಳಗನ್ನಡ ಸಾಹಿತ್ಯ ಕಾವ್ಯಗಳೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನೈಪುಣಿಕತೆಯನ್ನು ಜೀವನಕ್ಕೆ ಅವಶ್ಯವಿರುವ ವಿಷಯಗಳನ್ನು ಕಲಿಸಲಾಗುವುದು.

5) ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಬೌದ್ಧಿಕವಾಗಿ ಪ್ರಬುದ್ಧರನ್ನಾಗಿ ಮಾಡುವುದು..

BA/BSC Course SPO's

1ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಬಿ.ಎ. ಮತ್ತು ಬಿ.ಎಸ್ಸಿ ಪದವಿಗಳಲ್ಲಿ ಕನ್ನಡ ಕಲಿಯುವುದರಿಂದ ಅವರು ಮುಂದೆ ಬಿ.ಎಡ್. ಪದವಿಯನ್ನು ಅಥವಾ ಎಂ.ಎ ಪದವಿಯನ್ನು ಉನ್ನತ ಶಿಕ್ಷಣಾಭ್ಯಾಸ ಕಲಿಯಬಹುದು.

2.ಪದವಿಯಲ್ಲಿ ಕನ್ನಡ ಕಲಿಯುವುದರಿಂದ ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿ ಎಫ್.ಡಿ.ಸಿಯಂತಹ ಹುದ್ದೆಗಳನ್ನು ಪಡೆದುಕೊಳ್ಳಬಹುದಾಗಿದೆ.

3.ಪದವಿಯ ಆಧಾರದ ಮೇಲಿರುವ ಎಲ್ಲ ರೀತಿಯ ಪರೀಕ್ಷೆಗಳಲ್ಲಿ ಭಾಗವಹಿಸಿ ಹುದ್ದೆಗಳನ್ನು ಪಡೆದುಕೊಳ್ಳುವಲ್ಲಿ ಕನ್ನಡವು ಮಹತ್ವದ ಪಾತ್ರವಹಿಸುತ್ತದೆ.

4.ಕನ್ನಡವನ್ನು ಕಲಿಯುವುದರಿಂದ ಹೆಚ್ಚಿನ ರೀತಿಯಲ್ಲಿ ಪ್ರಯೋಜನಗಳು ಇವೆ. ಉದಾ: ಬ್ಯಾಂಕ, ರೈಲ್ವೆ, ಅಂಚೆ ಕಚೇರಿಗಳಲ್ಲಿ ನೌಕರಿಯನ್ನು ಪಡೆದುಕೊಳ್ಳಬಹುದಾಗಿದೆ.

5.ಬಿಎ.ಅಥವಾ ಬಿ.ಎಸ್ಸಿ ಯಲ್ಲಿ ಕನ್ನಡ ಕಲಿಕೆಯು ವಿದ್ಯಾರ್ಥಿಗಳ ಬೆಳವಣಿಗೆಯಲ್ಲಿ ಮಹತ್ವದ ಪಾತ್ರವಹಿಸುತ್ತದೆ.

ಬಿ.ಎ-III ಸೆಮಿಸ್ಟರ್ ಭಾರತೀಯ ಹಾಗೂ ಪಾಶ್ಚಾತ್ಯಕಾವ್ಯ ಮೀಮಾಂಸೆ

1. ಭಾರತೀಯ ಹಾಗೂ ಪಾಶ್ಚಾತ್ಯಕಾವ್ಯ ಮೀಮಾಂಸೆಯ ಲಕ್ಷಣ, ಪ್ರಯೋಜನಗಳ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳುವರು
2. ಭಾರತೀಯಕಾವ್ಯ ಮೀಮಾಂಸೆಯ ಸಿದ್ಧಾಂತಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವರು
3. ಪಾಶ್ಚಾತ್ಯಕಾವ್ಯ ಮೀಮಾಂಸೆಯ ಸಿಧ್ಧಾಂತಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳವರು

. ಬಿ.ಎ-IV ಸೆಮಿಸ್ಟರಅಲಂಕಾರ ಮತ್ತುಛಂದಸ್ಸು

1. ಅಲಂಕಾರಗಳು ಮತು ಅವುಗಳ ಪ್ರಕಾರಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವರು

2. ಛಂದಸ್ಸಿನ ಹುಟು ್ಟ ಬೆಳವಣಿಗೆಯನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದರ ಜೊತೆಗೆ ಛಂದಸ್ಸಿನ ಕೃತಿಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವರು

3. ಛಂದಸ್ಸಿನ ಪ್ರಮುಖ ಅಂಶಗಳಾದ ಗುರು, ಲಘು, ಯತಿ, ವಡಿ ಮುಂತಾದವುಗಳನ್ನು ಅಧ್ಯಯನ ಮಾಡುವುದರ ಮೂಲಕ ಪ್ರಸ್ತಾರ ಹಾಕಲು ಗಣ ವಿಂಗಡಿಸಲುಕಲಿಯುವರು ಭಾವಗೀತೆ ಪ್ರಕಾರ ನಲ್ವಾಡುಗಳು

1. ಕನ್ನಡದಲ್ಲಿ ಭಾವಗೀತೆ ಪ್ರಕಾರದ ಹಿನ್ನೆಲೆ ಹುಟು ್ಟ ಬೆಳವಣಿಗೆ ಅದರ ಸ್ವರೂಪದಕುರಿತು ತಿಳಿದುಕೊಳ್ಳುವರು

2. ಕನ್ನಡದ ಭಾವಗೀತೆಯ ಕವಿಗಳ ಬಗ್ಗೆ ಸ್ಥೂಲವಾಗಿ ತಿಳಿದುಕೊಳ್ಳುವರು ಮತ್ತು ಭಾವಗೀತೆಗಳನ್ನು ಬರೆಯಲುಕಲಿಯುವರು

3. ಕವಿ ಆನಂದಕಂದರ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವರು ಮತು ್ತ ಅವರು ಬರೆದ ಕವಿತೆಗಳನ್ನು ವಿಶ್ಲೇಷಿಸುವರು

ಶಿವರಾತ್ರಿ ಬಿ.ಎ 5ನೇ ಸೆಮಿಸ್ಟರ್ ಪತ್ರಿಕೆ–1

ಜನಪದ ಸಾಹಿತ್ಯ ಮತು ್ತ ಕಲೆ

1. ಕನ್ನಡಜನಪದ ಸಾಹಿತ್ಯದ ಬಗ್ಗೆ ತಿಳಿದು ಕೊಳ್ಳುವುದರ ಜೊತೆಗೆಜನಪದ ಸಾಹಿತ್ಯದ ಒಳನೋಟಗಳನ್ನು ಅರಿಯವರು

2. ಜನಪದ ಸಾಹಿತ್ಯ ಪ್ರಕಾರಗಳ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳುವರು

3. ಕನ್ನಡಜನಪದರಂಗಭೂಮಿಯ ಹಿನ್ನೆಲೆಅಧ್ಯಯನ ಮಾಡುವುದರ ಮೂಲಕ ಜನಪದರಂಗಭೂಮಿಯ ಹುಟ್ಟು ಬೆಳವಣಿಗೆ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳುವರು

ಕೊರವಂಜೆ

1. ಜನಪದ ಕಲಾ ಪ್ರಕಾರಗಳ ಬಗ್ಗೆ ಮತು ್ತ ಅವುಗಳ ಪ್ರದರ್ಶನಗಳ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳುವರು.
2. ಕೊರವಂಜೆ ಸನ್ನಿವೇಶವನ್ನುಓದುವುದರ ಮೂಲಕ ನಾಟಕ ಪ್ರದರ್ಶನ ಮಾಡಲು ಸಮರ್ಥರಾಗುವರು.

ಬಿ.ಎ 5ನೇ ಸೆಮಿಸ್ಟರ್ ಪತ್ರಿಕೆ–2

ಕನ್ನಡ ವ್ಯಾಕರಣ ಪರಂಪರೆ

1. ಪ್ರಾಚೀನಕನ್ನಡ ವ್ಯಾಕರಣಕಾರರು ಮತ್ತು ವ್ಯಾಕರಣ ಕೃತಿಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವರು.
2. ಶಬ್ದಮಣಿದರ್ಪಣದ ಬಗ್ಗೆ ಅಧ್ಯಯನ ಮಾಡುವುದರ ಮುಖಾಂತರ ಶುದ್ದಿಗೆ ಸಂಧಿ, ಸಮಾಸ ಮುಂತಾದ ವ್ಯಾಕರಣಾಂಶಗಳನ್ನು
ತಿಳಿದುಕೊಳ್ಳುವರು.

ಭಾಷಾ ವಿಜ್ಞಾನ

1. ಭಾಷೆಯ ಹುಟು ್ಟ ಬೆಳವಣಿಗೆ ಲಕ್ಷಣ ಸ್ವರೂಪವನ್ನುಅಧ್ಯಯನ ಮಾಡುವುದರ ಮುಖಾಂತರ ಭಾಷೆಗಳ ವರ್ಗಿಕರಣವನ್ನು

ತಿಳಿದುಕೊಳ್ಳುವುರು.

2. ಕನ್ನಡ ಭಾಷೆಯ ಪ್ರಾಚೀನತೆಯನ್ನು ತಿಳಿಯುವುದು ಮತು ್ತ ಕನ್ನಡ ಭಾಷೆಯದ್ವನಿ ಆಕೃತಿಮಾ, ತತ್ಸಮ,ತದ್ಭವ ಮುಂತಾದ ಅಂಶಗಳನ್ನು ಕುರಿತುಚರ್ಚಿಸುವರು.

ಬಿ.ಎ 6ನೇ ಸೆಮಿಸ್ಟರ್ ಪತ್ರಿಕೆ–1
ಸಂಸ್ಕೃತಿ ಸಂಶೋಧನೆ ಮಿಮರ್ಶೆ ಸಂವಹನ ಆಕರಶಾಸ್ತ್ರ

1. ಸಂಸ್ಕೃತಿಯ ವಿವಿಧ ಆಯಾಮಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದರೊಂದಿಗೆ ಕನ್ನಡ ಸಂಸ್ಕೃತಿಯ ಮಹತ್ವವನ್ನು ಅರಿತುಕೊಳ್ಳುವರು.
2. ಸಂಶೋಧನೆಯ ಸ್ವರೂಪ, ಪ್ರಕಾರಗಳು ಸಂಶೋಧನೆಯ ಮಹತ್ವವನ್ನುಅರಿಯುವುದರಜೊತೆಗೆ ಸ್ವತಃಕಾರ್ಯಕ್ಷೇತ್ರದಅನುಭವ ಪಡೆದುಕೊಳ್ಳುವರು.
3. ವಿಮರ್ಶೆಯ ಹೊಸ ಹೊಳವುಗಳನ್ನು ಅಧ್ಯಯನ ಮಾಡುವುದರ ಮುಖಾಂತರ ವಿಮರ್ಶೆಯ ತಂತ್ರಗಳನ್ನು ಅರಿಯುವರು.
4. ಸಂವಹನದ ಮಹತ್ವ ತಿಳಿದುಕೊಳ್ಳುವುದರೊಂದಿಗೆ, ಪತ್ರಿಕೋದ್ಯಮದ ಬಗ್ಗೆ ಪತ್ರಿಕೋದ್ಯಮದಲ್ಲಿ ಕೆಲಸ ಮಾಡಿದ ಮಹಿಳೆಯರ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳುವರು.
5. ಶಾಸನಗಳ ಪ್ರಕಾರಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದರೊಂದಿಗೆ ಇತಿಹಾಸ, ಸಂಸ್ಕೃತಿಯನ್ನುಕಟ್ಟಿಕೊಡುವಲ್ಲಿ ಶಾಸನಗಳ ಪಾತ್ರ ಮತು ್ತ ಮಹತ್ವದ ಬಗ್ಗೆ ತಿಳುವಳಿಕೆ ಹೊಂದುವುದು.

ಬಿ.ಎ 6ನೇ ಸೆಮಿಸ್ಟರ್ ಪತ್ರಿಕೆ–2
ಚಂದ್ರಗಿರಿತೀರದಲ್ಲಿ

1. ಕನ್ನಡದಲ್ಲಿಕಾದಂಬರಿ ಸಾಹಿತ್ಯ ಪ್ರಕಾರದ ಹಿನ್ನೆಲೆಯನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುವರು
2. ಕಾದಂಬರಿಯ ಸ್ವರೂಪ, ಲಕ್ಷಣಗಳನ್ನು ಕಲಿಸುವುದರೊಂದಿಗೆ, ಕಾದಂಬರಿ ಬರೆಯಲು ಪ್ರೇರೇಪಿಸುವುದು.
3. ಸಾ.ರಾ.ಅಬೂಬಕರಅವರ ಪರಿಚಯದೊಂದಿಗೆಅವರಕಾದಂಬರಿಚಂದ್ರಗಿರಿತೀರದಲ್ಲಿ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವರು

H. O. D.
Department of Kannada.

Principal
S. S. Arts College & T. P. Science Institute SANKESHWAR

S.D.V.S. Sangh'S

S.S. Arts College and T.P. Science Institute, Sankeshwar

Department of Physics

CO'S, PO'S and PSO'S

DSC1: Mechanics & Properties of Matter Programme Outcomes (POs)

PO-1: Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.

PO-2: Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.

PO-3: Modern tool usage: Use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

PO-4: Ethics: Apply the professional ethics and norms in respective discipline.

PO-5: Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.

PO-6: Communication: Communicate effectively with the stake holders, and give and receive clear instructions.

Course Outcomes (COs)

CO-1: Will learn fixing units, tabulation of observations, analysis of data (graphical/analytical)

CO-2: Will learn about accuracy of measurement and sources of errors, importance of significantfigures.

CO-3: Will know how g can be determined experimentally and derive satisfaction.

CO-4: Will see the difference between simple and torsional pendulum and their use in the determination of various physical parameters.

CO-5: Will come to know how various elastic moduli can be determined.

CO-6: Will measure surface tension and viscosity and appreciate the methods adopted. CO-7: Will get hands on experience of different equipment.

Practical I

Students would gain practical knowledge about Determination of moment of inertia of a Fly Wheel, torsional pendulum, parallel axis theorem, Young's Modulus of a bar by bending method, Viscosity by Stoke's method

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DSC 2: Electricity & Magnetism

Programme Outcomes

1. Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.

2. Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.

3. Modern tool usage: Use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

4. Ethics: Apply the professional ethics and norms in respective discipline.

5. Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.

6. Communication: Communicate effectively with the stake holders, and give and receive clear instructions.

Course Outcomes (COs)

1. Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and volume distributions of charges.

2. Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.

3. Apply Gauss's law of electrostatics to solve a variety of problems.

4. Describe the magnetic field produced by magnetic dipoles and electric currents.

5. Explain Faraday-Lenz and Maxwell laws to articulate the relationship between electric and magnetic fields.

Practical II:

Students would gain practical knowledge about Thevenin's& Norton's theorem Ladder Network, Whetstone Bridge, High resistance by leakage method, Helmholtz Galvanometer, Ballistic Galvanometer, LCR series / parallel resonance circuit, De Sauty's AC bridge etc.

DSC 3: Wave Motion and Optics

Program Outcomes:

1. Disciplinary knowledge

2. Communication Skills

3. Critical thinking, Reflective thinking, Analytical reasoning, scientific reasoning

4. Problem-solving

5. Research-related skills

6. Cooperation/ Teamwork/ Leadership readiness/Qualities

7. Information/ Digital literacy/Modern Tool Usage

8. Environment and Sustainability

9. Multicultural competence

10. Multi-Disciplinary

11. Moral and ethical awareness/Reasoning

12. Lifelong learning / Self-Directed Learning

Course Learning Outcomes

At the end of the course students will be able to:

i. Identify different types of waves by looking into their characteristics.

ii. Formulate a wave equation and obtainthe expression for different parameters associated with waves.

iii. Explain and give a mathematical treatment of the superposition of waves under different conditions, such as, when they overlap linearly and perpendicularly with equal or different frequencies and equal or different phases.

iv. Describe the formation of standing waves and how the energy is transferred along the standing wave in different applications, and mathematically model in the case of stretchedstring and vibration of a rod

v. Give an analytical treatment of resonance in the case of open and closed pipes in general and Helmholtz resonators in particular.

vi. Describe the different parameters that affect the acoustics in a building, measure it and control

it.

vii. Give the different models of light propagation and phenomenon associatedand measure the parameters likethe wavelength of light using experiments like Michelson interferometer,

interference and thin films.

viii. Explain diffraction due to different objects like singles slit, two slits, diffraction of grating, oblique incidence, circular aperture and give the theory and experimental setup for the same.

DSC Lab: Students would gain practical knowledge about Velocity of sound through a wire using Sonometer, Frequency of AC using Sonometer, Lissajous' Figures, Helmholtz resonator, Telescope, prism, Fresnel biprism, Newton rings etc. and perform various experiments.

OEC: CLIMATE SCIENCE

Program Outcomes:

1. Disciplinary knowledge
2. . Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
3. Problem-solving
4. Research-related skills
5. Environment and Sustainability
6. Multi-Disciplinary
7. Lifelong learning / Self-Directed Learning

DSC 4: Thermal Physics and Electronics

Course Learning Outcomes: At the end of the course students will be able to,

1. Apply the laws of thermodynamics and analyzethe thermal system.
2. Apply the laws of kinetic theory and radiation laws to the ideal and practical thermodynamics

systems through derived thermodynamic relations.

3. Use the concepts of semiconductors to describe different Semiconductor devices such as

diode transistors, BJT, FET etc and explain their functioning.

4. Explain the functioning of OP-AMPS and use them as the building blocks of logic gates.
5. Give the use of logic gates using different theorems of Boolean Algebra followed by logic

Circuits

DSC4 Lab:

Students would gain practical knowledge about Thermal conductivity, Stefan's law, thermo-emf and thermo couple, PN Diode, Filter, Zenerdiode, CE Amplifier, FET Amplifier, Non-inverting and Inverting using op-amp circuits, NAND gate, IC-7400.

Physics

V Semester (NEP)

Course Title : Classical Mechanics and Quantum Mechanics- I (Theory)

Course Code 21BSC5C5PHY1L

Course Outcomes (COs):

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

1) Identify the failure of classical physics at the microscopic level.
2) Find the relationship between the normalization of a wave function and the ability to correctly
3) calculate expectation values or probability densities.
4) Explain the minimum uncertainty of measuring both observables on any quantum state.
5) Describe the time-dependent and time-independent Schrödinger equation for simple potentials like for instance one-dimensional potential well and Harmonic oscillator.
6) Understand the concept of tunneling.

Course Title : Elements of Atomic, Molecular & Laser Physics (Theory)

Course Code 21BSC5C5PHY2L

Course Outcomes (COs)

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

1) Describe atomic properties using basic atomic models.
2) Interpret atomic spectra of elements using vector atom model.
3) Interpret molecular spectra of compounds using basics of molecular physics.
4) Explain laser systems and their applications in various fields.
5) Learn the importance of Statistical mechanics and different distribution functions.

Course Title Electrical Circuits and Network Skills (Theory)

Course Code: 21BSC5SEC3

Course Outcomes (COs):

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

1) Understand the fundamental concepts of electrical circuits and networks.
2) Analyze the behavior of a simple electrical circuit.
3) Design a circuit to meet a specific set of requirements.
4) Apply the principles of electrical circuits and networks to solve real-world problems.
5) Troubleshoot an electrical circuit that is not working properly.
6) Analyze the behavior of an electrical network.
7) Communicate effectively about electrical circuits and networks to both technical and non-technical audiences.

Physics VI Semester (NEP)

Course Title: Elements of Condensed Matter & Nuclear Physics (Theory)

Course Code 21BSC6C6PHY1L

Course Outcomes (COs):

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

1) Explain the basic properties of nucleus and get the idea of its inner information.
2) Understand the concepts of binding energy and binding energy per nucleon v/s mass number graph.
3) Describe the processes of alpha, beta and gamma decays based on well-established theories.
4) Explain the basic aspects of interaction of gamma radiation with matter by photoelectric effect, Compton scattering and pair production.
5) Explain the different nuclear radiation detectors such as ionization chamber, Geiger-Mueller counter etc.

6) Explain the basic concept of scintillation detectors, photo-multiplier tube and semiconductor detectors.

Course Title: Electronic Instrumentation & Sensors (Theory)

Course Code: 21BSC6C6PHY2L

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1) Identify different types of tests and measuring instruments used in practice and understand their basic working principles.
2) Get hands on training in wiring a circuit, soldering, making a measurement using an electronic circuit used in instrumentation.
3) Have an understanding of the basic electronic components viz., resistors, capacitors, inductors, discrete and integrated circuits, colour codes, values and pin diagram, their practical use.
4) Understanding of the measurement of voltage, current, resistance value, identification of the terminals of a transistor and ICs.
5) Identify and understand the different types of transducers and sensors used in robust and hand-held instruments.
6) Understand and give a mathematical treatment of the working of rectifiers, filter, data converters and different types of transducers.
7) Connect the concepts learnt in the course to their practical use in daily life.
8) Develop basic hands-on skills in the usage of oscilloscopes, multimeters, rectifiers, amplifiers, oscillators and high voltage probes, generators and digital meters.
9) Servicing of simple faults of domestic appliances: Iron box, immersion heater, fan, hot plate, battery charger, emergency lamp and the like.
10) Learn about Fourier series and its applications.

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OEC: ELECTRICAL INSTRUMENTS

Program Outcomes:

1. Disciplinary knowledge
2. . Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
3. Problem-solving
4. Research-related skills
5. Environment and Sustainability
6. Multi-Disciplinary
7. Lifelong learning / Self-Directed Learning
8. Instrumentation skills

DSE 1: Mathematical Physics – I, Nuclear and Particle Physics and Classical Mechanics

Course Learning Outcomes: At the end of the course students will be able to learn integral transforms, laplace and Fourier transform, nuclear and particle physics, Alpha particle scattering :Beta decay : Detectors :Particle accelerators :nuclear reactions :elementary particles, Classical mechanics, Lagrangian formulation and applications.

Practical V

Students would gain practical knowledge about GM Tube, Phase shift oscillator using Op-Amp, Wein bridge oscillator, Integrator and differentator, inverting amplifier and non-inverting amplifier etc.

(Elective I) Quantum Mechanics – I, Electronics and Optoelectronics

Quantum mechanics, failure of Classical Physics and origin of quantum mechanics, dual nature, Electronics, Semiconductors, Special Diodes:Transistors: Transistor action, Field Effect Transistor (FET), Operational amplifiers, digital electronic number Systems, optoelectronics, light Emitting Diodes, Optical fiber.

Elective I Practical

Students would gain practical knowledge about oscillators, FET, Op-Amp, Zener diode, transistors, Gates and De Morgans theorem, Boolean expressions etc.

SEC : Basic Instrumentation Skills

At the end of the course students will be able to know Basic of Measurement:Electronic Voltmeter:ACmillivoltmeter:Cathode Ray Oscilloscope: Signal Generators and Analysis Instruments, Impedance Bridges & Q-Meters: Digital Multimeter.

DSE II: Mathematical Physics – II. Atomic Molecular and Optical Physics and Atmospheric Physics

At the end of the course students will be able to learn mathematical skill, special functions, vector atom model, molecular Physics, laser action and principles, atmospheric structure and composition

Practical VII:

Students would gain practical knowledge about Air Wedge, Grating, Zeeman effect, e/m by Thomson Method, Optical fibre; Bending loss and attenuation, Zener Diode, Photoconductive cell, Photovoltaic Cell etc.

Elective III: Quantum Mechanics-Ii, Condensed Matter Physics – I and nanomaterials

Quantum mechanics, concept of wave function, solution of linear harmonic oscillator, hydrogen atom, condensed matter physics, Crystal structure, X-Ray diffraction, classical theory, free electron theory, superconductivity, magnetic properties of matter and dielectrics. Nano materials and liquid crystals.

Practical VIIIA

Students would gain practical knowledge about Plank's constant by Photo Cell, Hall Effect in semiconductor: determination of mobility, hall coefficient.Eenergy gap of semiconductor, Thermistor energy gap, Fermi Energy of Copper, Analysis of X-ray diffraction spectra and calculation of lattice parameter, Plank's constant by LED etc.

SEC : Electric circuits and Networks skills

At the end of the course students will be able to know Electricity Principles: Understanding Electrical Circuits: Electrical Drawing and Symbols: Generators and Transformers: Electric Motors: Solid-State Devices: Electrical Protection: Electrical Wiring:

SEC : Basic Instrumentation Skills

At the end of the course students will be able to know Basic of Measurement:Electronic Voltmeter:ACmillivoltmeter:Cathode Ray Oscilloscope: Signal Generators and Analysis Instruments, Impedance Bridges & Q-Meters: Digital Multimeter.

DSE II: Mathematical Physics – II. Atomic Molecular and Optical Physics and Atmospheric Physics

At the end of the course students will be able to learn mathematical skill, special functions, vector atom model, molecular Physics, laser action and principles, atmospheric structure and composition

Practical VII:

Students would gain practical knowledge about Air Wedge, Grating, Zeeman effect, e/m by Thomson Method, Optical fibre; Bending loss and attenuation, Zener Diode, Photoconductive cell, Photovoltaic Cell etc.

Elective III: Quantum Mechanics-Ii, Condensed Matter Physics – I and nanomaterials

Quantum mechanics, concept of wave function, solution of linear harmonic oscillator, hydrogen atom, condensed matter physics, Crystal structure, X-Ray diffraction, classical theory, free electron theory, superconductivity, magnetic properties of matter and dielectrics. Nano materials and liquid crystals.

Practical VIIIA

Students would gain practical knowledge about Plank's constant by Photo Cell, Hall Effect in semiconductor: determination of mobility, hall coefficient.Eenergy gap of semiconductor, Thermistor energy gap, Fermi Energy of Copper, Analysis of X-ray diffraction spectra and calculation of lattice parameter, Plank's constant by LED etc.

SEC : Electric circuits and Networks skills

At the end of the course students will be able to know Electricity Principles: Understanding Electrical Circuits: Electrical Drawing and Symbols: Generators and Transformers: Electric Motors: Solid-State Devices: Electrical Protection: Electrical Wiring:

PROGRAMME SPECIFIC OUTCOMES (PSOs):

This undergraduate course in Physics would provide the opportunity to the students

1. To understand the basic laws and explore the fundamental concepts of physics.
2. To understand the concepts and significance of the various physical phenomena.
3. To carry out experiments to understand the laws and concepts of Physics.
4. To apply the theories learnt and the skills acquired to solve real time problems.
5. To acquire a wide range of problem solving skills, both analytical and technical and to apply them
6. To enhance the student's academic abilities, personal qualities and transferable skills this will give them an opportunity to develop as responsible citizens.
7. To produce graduates who excel in the competencies and values required for leadership to serve a rapidly evolving global community.
8. To motivate the students to pursue PG courses in reputed institutions.
9. This program introduces students to the methods of experimental physics. Emphasis will be given on laboratory techniques specially the importance of accuracy of measurements.
10. Providing a hands-on learning experience such as in measuring the basic concepts in properties of matter, heat, optics, electricity and electronics.

Head
Department of Physics
Arts College & T P Science Institute
SANKESHWAR

PRINCIPAL
S.S.Arts College & T P Science Institute
SANKESHWAR

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Department of Mathematics Co's And Po's

Semester I (NEP)

Course Title: Algebra - I and Calculus –I

This course will enable the students to

- Learn to solve system of linear equations.
- Solve the system of homogeneous and non-homogeneous linear of m equations in n
- variables by using concept of rank of matrix, finding eigen values and eigen vectors.
- Sketch curves in Cartesian, polar and pedal equations
- Students will be familiar with the techniques of integration and differentiation of function with real variables.
- Identify and apply the intermediate value theorems and L' Hospital rule.

PROGRAM OUTCOMES:

1. Disciplinary Knowledge: Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

2. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

3. Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

4.Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations.

Semester II (NEP)

Course Title: Algebra - II and Calculus –II

Course Learning Outcomes:

This course will enable the students to

- Recognize the mathematical objects called Groups.
- Link the fundamental concepts of groups and symmetries of geometrical objects.
- Explain the significance of the notions of Cosets, normal subgroups and factor groups.
- Understand the concept of differentiation and fundamental theorems in differentiation and various rules.
- Find the extreme values of functions of two variables.

PROGRAM OUTCOMES:

1. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

2. Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

3. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

4. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

5. Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations.

SEMESTER – III (NEP)

Course Title: Ordinary Differential Equations and Real Analysis – I

Course Learning Outcomes:

This course will enable the students to:

- Solve first-order non-linear differential equations and linear differential equations.
- To model problems in nature using Ordinary Differential Equations.
- Formulate differential equations for various mathematical models
- Apply these techniques to solve and analyze various mathematical models.
- Understand the fundamental properties of the real numbers that lead to define sequence and series, the formal development of real analysis.
- Learn the concept of Convergence and Divergence of a sequence.
- Able to handle and understand limits and their use in sequences, series, differentiation,and integration.
- Apply the ratio, root, alternating series, and limit comparison tests for convergence and absolute convergence of an infinite series.

PROGRAM OUTCOMES:

1. Disciplinary Knowledge: Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

2. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

3. Self-directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

4. Moral and ethical awareness/reasoning: The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

SEMESTER – IV (NEP)

Course Title: Partial Differential Equations and Integral Transforms

Course Learning Outcomes:

This course will enable the students to

- Solve the Partial Differential Equations of the first order and second order
- Formulate, classify and transform partial differential equations into canonical form.
- Solve linear and non-linear partial differential equations using various methods; and apply these methods to solving some physical problems.
- Able to take more courses on wave equation, heat equation, and Laplace equation.
- Solve PDE by Laplace Transforms and Fourier Transforms
-

PROGRAM OUTCOMES:

1. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

2. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

3. Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations.

3. Self-directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

4. Moral and ethical awareness/reasoning: The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

SEMESTER – V (NEP)

Course Title: Real Analysis-II and Complex Analysis (5.1)

Course Learning Outcomes:

The overall expectation from this course is that the student builds a basic understanding on Riemann integration and elementary complex analysis. The broader course outcomes are listed as follow. At the end of this course, the student will be able to:

This course will enable the students to:

- Carry out certain computations such as computing upper and lower Riemann sums as well integrals.
- Describe various criteria for Integrability of functions.
- Exhibit certain properties of mathematical objects such as integrable functions, analytic functions,harmonic functions and soon.
- ProvesomestatementsrelatedtoRiemannintegrationaswellasincomplexanalysis.
- Carry out the existing algorithms to construct mathematical structures such as analytic functions.
- Applies the gained knowledge to solve various other problems.

PROGRAM OUTCOMES:

1. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

2. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

3. Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations.

4. Self-directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

5. Moral and ethical awareness/reasoning: The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

SEMESTER – V (NEP)

Course Title: Vector calculus and Analytical Geometry (5.2)

Course Learning Outcomes:

This course will enable the students to

- Get introduced to the fundamentals of vector differential and integral calculus.
- Get familiar with the various differential operators and their properties.
- Get acquainted with the various techniques of vector integration.
- Learn the applications of vector calculus.
- Recollect the fundamentals of Analytical Geometry in 3D.
- Interpret the geometrical aspects of planes and lines in3D.

PROGRAM OUTCOMES:

1. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

2. Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

3. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

4. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

5. Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations

SEMESTER – VI (NEP)

Course Title: Linear Algebra.(6.1)

Course Learning Outcomes:

The overall expectation from this course is that the student will build a basic understanding in few areas of linear algebra such as vectors spaces, linear transformations. Some broader course outcomes are listed as follows.

This course will enable the students to

- Understand the concepts of Vector spaces, subspaces, bases dimension and their properties.
- Become familiar with the concepts of Eigen values and Eigen vectors, linear transformations etc.
- Prove various statements in the context of vectors spaces.

PROGRAM OUTCOMES:

1. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

2. Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

3. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

4. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

SEMESTER – VI (NEP)

Course Title: Numerical Analysis.(6.2)

Course Learning Outcomes:

This course will enable the students to:

- Describe various operators arising in numerical analysis such as difference operators, shift operators and so on.
- Articulate the rationale behind various techniques of numerical analysis such as in finding roots, integrals and derivatives.
- Reproduce the existing algorithms for various tasks as mentioned previously in numerical analysis.
- Apply the rules of calculus and other areas of mathematics in justifying the techniques of numerical analysis.
- Solve problems using suitable numerical technique.
- Appreciate the profound applicability of techniques of numerical analysis in solving real life problems and also appreciate the way the techniques are modified to improve the accuracy.

PROGRAM OUTCOMES:

1. Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modelling and solving of real-life problems.

2. Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

3. Problem Solving: The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

4. Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

5. Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations

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Department of Economics

PROGRAMME OUTCOMES OF ECONOMICS

1.Students will be able to understand economic vocabulary,methodologies,tools

2.Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.

3.Students will learn to apply economic theories and concepts to contemporary social issues,as well as analysis of policies.

4..Students will be able to understand the impact of government policies and will be able to assess the consequences of the policies on the party involved.

5.As the programme along with economics contains like statistics ,mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population ,income pattern ,and rate of development with pattern of savings and investments and social security measures adopted in the country.

6.Understand the basics of Quantitative techniques their applications.

7.Critically evaluate the ongoing economic developments in India and abroad.

8.Understand research methods in economics.

9.Student develops an awareness of career choices and the option for higher studies.

BA I Semester

BASIC ECONOMICS (DSC 1.1)

COURSE OUTCOMES

1.Identify the facts of an economic problems.

2.Learn basic economic concepts and terms.

3.Explain the operation of a market system.

4.Analyse the production and cost relationships of a business firm.

5.Evaluate the pricing decisions under different market structure and

6.Use basic cost –benefit calculations as a means of decision making.

BA I Semester

Contemporary Indian Economy (DSC 1.2)

COURSE OUTCOMES

1.Understand the current problems of Indian Economy.

2.Identify the factors contributing to the recent growth of the Indian economy .

3.Evaluate impact of LPG policies on economic growth in India.

4.Analyse the sector specific policies adopted for achieving the aspirational goals.

5.Review various economic policiesadopted.

BA I Semester

PRE-REFORMS OF INDIAN ECONOMY

COURSE OUTCOMES(OEC)

1.Trace the evaluation of Indian Economy.

2.Identify the structural features and constraints of the Indian Economy.

3.Evaluate planning models and strategy adopted in India.

4.Analyze the sector specific problems and contributing towards overall economic growth.
5.Review various economic policies adopted.

BA II Semester

BASIC ECONOMICS II (DSC 2.1)

COURSE OUTCOMES

1.Understand the operation of the overall economic system.

2.Calculate national income and related aggregates.

3. Explain the relationship between macro economic aggregates.

4.Analyse the nature of business cycles and policies towards controlling them.

5.Evaluate the macroeconomic policies foe solving major problems like poverty and unemployment.

BA II Semester

KARNATAKA ECONOMY (DSC 2.2)

COURSE OUTCOMES

1.Understand the nature of economic growth and problems of Karnataka state.

2. Explain the process of structural growth in Karnataka economy .

3.Evaluate the policies and programmes undertaken by the government of Karnataka for bringing Socio-economic development .

BA II Semester

CONTEMPORARY INDIAN ECONOMY

COURSE OUTCOMES(OEC)

1.Understand the current problems of Indian Economy.

2.Identify the factors contributing to the recent growth of the Indian economy .

3.Evaluate impact of LPG policies on economic growth in India.

4.Analyse the sector specific policies adopted for achieving the aspirational goals.

5.Review various economic policies adopted.

BA III Semester

Course Title: Micro Economics (DSC 3.1)

Course Outcomes (COs):

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

CO1. Understand introductory economic concepts.

CO2. Recognize basic supply and demand analysis.

CO3. Recognize the structure and the role of costs in the economy.

CO4. Describe, using graphs, the various market models: perfect competition, monopoly, monopolistic

competition, and oligopoly.

CO5. Explain how equilibrium is achieved in the various market models.

CO6. Identify problem areas in the economy, and possible solutions, using the analytical tools developed

in the course.

Course Title: Mathematics for Economics (DSC 3.2)

Course Outcomes (COs):

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

CO1. Perform basic operations in Sets and functions and Matrix algebra.

CO2. Calculate limits, derivatives of Economic functions and identify the nature of relationship.

CO3. Calculate maxima and minima of function

Course Title: Rural Economics (OE-3.1)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. To Understand the basics of rural development,

CO2. To study the characteristics, problems, and programmes of rural redevelopment

CO3. To study the trends and patterns of economic activities in rural areas

CO4. To study the role of infrastructural facilities and governance in rural development

CO5. To enable the students to know about significance of rural enterprises and agricultural allied activities.

B.A. IV Semester

Course Title: Macroeconomics (DSC 4.1)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Understand the Theories of National Income Accounting

CO2. Explain the process of Consumption and Investment Functions

CO3. Evaluate the Concept of Multiplier and Inflation

PROGRAMME OUTCOMES OF ECONOMICS

1. Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.

2.Students will learn to apply economic theories and concepts to contemporary social issues, as well as analysis of policies.

3 .Students will be able to understand the impact of government policies and will be able to assess the consequences of the policies on the party involved.

B.A Vth Semester NEP

Course Outcomes

1.Understand introductory Public Finance concepts.

2.Study the Economic effects of Tax on production, distribution and other effects.

3.Enable the students to know the principles and effects of public Expenditure.

4.Understand the basic concepts and measurements of Development.

5. Identify the difference between Developed and Developing economy.

6.Analyse the tackle the Development issues effectively.

7.Understand the structure of Indian Banking & the role of Banks in Monetary Policy.

8.Evaluate recent developments in the banking sector.

B.A VIth Semester NEP

1.Understand the International Trade theories and their application in international trade.

2.Analyse the role of International Trade and financial institutions.

3. Understand the structure of Indian public Finance.

4.Know the Public Debt and its management.

5.Understand how economic methods can be applied to environment issues facing society.

6.Analyse environment problems and to assess environmental policies.

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Course Title: Statistics for Economics (DSC 4.2)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Understand the nature of Data and their presentation

CO2. Calculate Descriptive statistics like measures of central tendency and dispersion

CO3. Apply statistical techniques like correlation and regression in Economic analysis.

B.A. V Semester

Course Title: Indian Economy (DSE 1)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. Analyze the structure and condition of Indian Industries,
2. To know about the performance of Indian banking sector,
3. To understand the structure of India"s foreign trade,
4. To examine the trends and patterns of public expenditure and revenue of Central Government.

Course Title: Monetary Economics

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. To understand the working of monetary system,
2. Understanding the value of money in modern economic context
3. To study the recent development in banking and market and capital market sectors.

Course Title: Financial Institutions and Markets (SEC 3)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. To understand the financial systems,
2. Operation objectives and functions of primary markets.
3. Operation, objectives and functions of Secondary markets

B.A. VI Semester

Course Title: Development Economics (DSE 2)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. To provide the students with the essential tools and concepts of development economics,
2. General theories of economic growth and development,
3. Problems of economic development and to prepare them to understand what helps development to succeed.

B.A. VI Semester

Course Title: Industrial Economics

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. To understand the various problems confronting the entrepreneurs in the process of industrialization,
2. To study the significance of industrialization in the dynamic competitive economic systems
3. To examine the development and expansion of major and small-scale industries.

Course Title: Economics of Tourism (SEC 4)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

1. To examine the importance of tourism in national economy,
2. Concepts of tourism, economic impact of tourists
3. Tourism planning and policy for sustainable tourism development.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

1.Take independent decisions in economic and social aspects of life.

2.Acquire jobs in different sectors such as Planning Department, Banking , Insurance companies Industries, Defense etc.

3.Pursuepost graduation degree in Economics, MBA ,Demography etc.

4.Prepare and face the all competitive examinations.

5.Start own entrepreneurship.

Head
Department of Economics
S.S.Arts College & T.P.Science Institute
SANKESHWAR

PRINCIPAL
S.S.Arts College & T P Science Institute
SANKESHWAR

S.S. Arts College & T. P. Science Institute
SANKESHWAR.
591313

S.D.V.S. Sangh'S

S.S. Arts College and T.P. Science Institute, Sankeshwar

DEPARTMENT OF ZOOLOGY

Programme Specific Outcomes (PSOs)

- Program Learning Outcome Students enrolled in B.Sc. (Hons.) degree program in Zoology will study and acquire complete knowledge of disciplinary as well as allied biological sciences.
- At the end of graduation, they should possess expertise which will provide them competitive advantage in pursuing higher studies from India or abroad; and seek jobs in academia, research or industries.
- Students should be able to identify, classify and differentiate diverse chordates and non chordates based on their morphological, anatomical and systemic organization.
- They will also be able to describe economic, ecological and medical significance of various animals in human life.
- This will create a curiosity and awareness among them to explore the animal diversity and take up wild life photography or wild life exploration as a career option.
- The procedural knowledge about identifying and classifying animals will provide students professional advantages in teaching, research and taxonomist jobs in various government organizations; including Zoological Survey of India and National Parks/Sanctuaries.
- Acquired practical skills in biotechnology, biostatistics, bioinformatics and molecular biology can be used to pursue career as a scientist in drug development industry in India or abroad.
- Our students will be acquiring basic experimental skills in various tecniques in the fields of genetics; molecular biology; biotechnology; qualitative and quantitative microscopy; enzymology andanalytical biochemistry. These methodologies will provide an extra edge to our students, who wish to undertake higher studies.
- In-depth knowledge and understanding about comparative anatomy and developmental biology of various biological systems

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Course Outcomes (COs):	Semester I : Cytology, Genetics and Infectious Diseases

At the end of the course the student should be able to:

- To use simple and compound microscopes.
- To prepare stained slides to observe the cell organelles.
- To be familiar with the basic principle of life, how a cell divides leading to the growth of an organism and also reproduces to form new organisms.
- The chromosomal aberrations by preparing karyotypes.
- How chromosomal aberrations are inherited in humans by pedigree analysis in families The antigen-antibody reaction

Course Outcomes (COs):	Semester II : Biochemistry and Physiology

- At the end of the course the student should be able to understand: Basic structure of biomolecules through model making.
- Develop the skills to identify different types of blood cells.
- Enhance basic laboratory skill like keen observation, analysis and discussion. Learn the functional attributes of biomolecules in animal body.
- Know uniqueness of enzymes in animal body and their importance through enzyme kinetics.

CourseArticulationMatrix:MappingofCourseOutcomes(COs)withProgramOutcomes(POs)

CourseOutcomes(COs)/Program	CO P1	CO P2	CO	CO	CO	CO	CO	CO	CO	CO	CO
ICorecompetency		X									
IICriticalthinking		X									
IIIAnalyticalreasoning		X									
IVResearchskills		X									
VTeamwork		X									

Semester III:Molecular Biology, Bioinstrumentation &Techniques in Biology

Course Outcomes (COs):

At the end of the course the student should be able to understand: After successful accomplishment of the course, the learners will be able to acquire better understanding and comprehensive knowledge regarding most of the essential aspects of Molecular Biology subject which in turn will provide a fantastic opportunity to develop professional skill related to the field of molecular biology. The course will mainly focus on the study of

principal molecular events of cell incorporating DNA Replication, Transcription and Translation in prokaryotic as well as eukaryotic organisms. Acquiring knowledge on instrumentation and techniques in biology

Practical III

At the end of the course the student should be able to: At the end of the course, students will be able to understand the applications of biophysics and principle involved in bio-instruments. Understand the methodology involved in biotechniques. Students can demonstrate knowledge and practical skills of using instruments in biology and medical field. They can perform techniques involved in molecular biology and diagnosis of diseases.

OEC: ENDOCRINOLOGY

Course Outcomes (Cos): At the end of the course the student should be able to: Differentiate among endocrine, paracrine and autocrine systems. 1. Describe the different classes and chemical structures of hormones. 2. Identify the glands, organs, tissues and cells that synthesize and secrete hormones, hormone precursors and associated compounds. 3. Identify and discuss the integration of the endocrine system in general with focus on specific interactions. 4. Explain the consequences of under-and overproduction of hormones.

Semester IV: Gene Technology Immunology and Computational Biology

Course Outcomes (Cos): At the end of the course the student should be able to: Acquaint knowledge on versatile tools and techniques employed in genetic engineering and recombinant DNA technology. An understanding on application of genetic engineering techniques in basic and applied experimental biology. To acquire a fundamental working knowledge of the basic principles of immunology. To understand how these principles, apply to the process of immune function. Use, and interpret results of, the principal methods of statistical inference and design; helps to communicate the results of statistical analyses accurately and effectively; helps in usage of appropriate tool of statistical software.

Practical: Gene Technology, Immunology and Computational Biology

Course Outcomes (Cos): At the end of the course the student should be able to: Accurately, safely and appropriately use all the equipment regularly used in Molecular Biology (DNA manipulation, including balances, pipettes, electrophoresis and centrifuges). Prepare chemical solution and reagents to the precision appropriate to the task. Demonstrate knowledge of the biochemical basis underpinning the molecular biology techniques.

OEC: Animal Behaviour

At the end of the course the students will be able to:

1. Examine and critically to evaluate the emergence of ideas that have shaped how we observe and collect data on animal behavior.

2. Understandthemainhistoricalideasthatunderpinanimalbehaviourtheory

3. Critically review hypotheses to explain animal behavior

4. Understand different methods for collecting data on animal behaviour

5. Have advanced their written and oral presentation skills.

Fifth Semester: Applied Zoology & Ethology

At the end of the course the student should be able to: Acquaint knowledge on Vermitechnology, Aquaculture, Animal husbandry, Insects of economic importance, Host-parasite Relationship, Lac culture, Ethology, Types of animal behaviour, Types of animal society and colony in Honey Bees and Monkey troops, Biological clock, Circadian rhythm and Chrono biology Animal communication.

Practicals-5: At the end of the course the student should be able to: Acquaint practical knowledge on

1. Study of Plasmodium, Entamoeba, Trypanosoma, Ancylostoma and Wuchereria and their life stages through permanent slides / photomicrographs or specimens

2. Study of arthropod vectors associated with human diseases: Culex, Anopheles, Aedes

3. Study of poultry breeds and earthworms, prawns, pearls, fishes

4. Study of Cattle and buffalo breeds 6. Visit to poultry farm or animal breeding center. Submission of visit report

Sixth Semester: Cell Biology, Biotechnology, Biostatistics & Research Methodology

At the end of the course the student should be able to: Acquaint knowledge on Cell Biology: Ultra-Structure & function of cell organelles:Chromosomes:Cancer Biology:Types of Biotechnology:Applications of Biotechnology:Research Methodology Foundations of Research:Research design:Data collection, analysis and report writing.

Practicals-5A: At the end of the course the student should be able to: Acquaint practical knowledge on

1) Study of permanent cytology slides of Mitosis & Meiosis 2) Study of temporary preparation of Mitotic stages from onion root tip cells 3) Study of temporary preparation of Meiotic stages from onion flower bud / Grass hopper testis. 4) Study of Paper Chromatography 5) To form frequency distribution table & draw histogram, frequency polygon & frequency curve 6) Measurement of central tendency (range, mean, mode and median) 7) Isolation of DNA / RNA

SEC: : Immunology

DEPARTMENT OF ZOOLOGY Co's and Po's

Semester V (NEP)

Course Title: Non-Chordates and Economic Zoology (Theory Paper-1)

Course Outcomes (COs):

At the end of the course students will be able to:

CO1: Understand the evolutionary history and diversity of non-chordates

CO2: Study the external and internal characters of non-chordates

CO3: Expose type, structural and functional organization of non-chordates

CO4: Group the animals on the basis of their morphological characteristics.

CO 5: Understand the economic importance of non-chordates

Course Title: Non-Chordates and Economic Zoology (Practical Paper-1)

Course Outcomes (COs):

At the end of the course, students will be able to:

CO 1:Understand basics of classification of non-chordates.

CO 2: Learn and understand the internal systems of non-chordates.

CO 3: Develop the skills to identify different classes and species of animals.

CO 4: Know uniqueness of a particular animal and economic importance of non-chordates.

CO 5: Enhancement of basic laboratory skill like keen observation and drawing.

CO 6: Study the useful and harmful non-chordates

Course Title: Chordates and Comparative Anatomy(Theory Paper-2)

Course Outcomes (COs):

At the end of the course, students will be able to:

CO1:Understand the basic concept, diversity and classification of Chordates

CO2:Demonstrate comprehensive identification abilities of chordate diversity

CO3:Understand evolutionary relationship amongst all chordates·

CO4: Understand the external morphology and sexual dimorphism in chordates.

CO5: Understandarrangement of endoskeletonof vertebrates.

CO6: Know the comparative anatomy of various systems, adaptations, physiological mechanisms of vertebrates.

Course Title: Chordates and Comparative Anatomy(Practical Paper-2)

Course Outcomes (COs):

At the end of the course, students will be able to

CO1: Understand the external morphology of proto-chordates and chordates

CO2: Study the cartilaginous, bony and ornamental fishes

CO 3: Understand the systematic position and classification of Chordates

CO 4: Study the comparative anatomy and internal systems of vertebrates

CO 5: Understand the beak and foot modifications in birds.

Semester VI (NEP)

Course Title: Evolutionary and Developmental Biology (Theory Paper-1)

Course Outcomes (COs):

At the end of the course students will be able to:

CO 1: Understand that by biological evolution we mean that many of the organisms that inhabit the earth today are different from those that inhabited it in the past.

CO 2: Understand that natural selection is one of several processes that can bring about evolution,although it can also promote stability rather than change.

CO 3: Understand how the single cell formed at fertilization forms an embryo and then a full adult organism.

CO 4: Integrate genetics, molecular biology, biochemistry, cell biology, anatomy and physiologyduring embryonic development.

CO 5: Understand a variety of interacting processes, which generate an organism's heterogeneous shapes, size, and structural features.

Course Title: Evolutionary and Developmental Biology (Practical Paper-1)

Course Outcomes (COs):

At the end of the course, students will be able to:

CO 1: Explain core features of evolutionary theory and their applications to biological systems.

CO 2: Explain how evolutionary patterns and processes can be inferred using sequence data, the biology of extant organisms, and fossils.

CO 3: Study the process by which organisms grow and develop.

CO 4: Understand the development of multicellular organisms from a single cell zygote.

CO 5: Learn interesting and unique post-embryonic development in other animals.

CO 6: Understand the concept of aging and the relevance of this knowledge in several medical applications.

Course Title: Environmental Biology,Wildlife Management and Conservation (Theory Paper-2)

Course Outcomes (COs):

At the end of the course, students will be able to:

CO1: Develop an understanding of how animalsinteract with each other and their natural environment.

CO 2: Get knowledge about all types of ecosystems, food chains, webs and energy models.

CO3: Study varioustypes of environmental pollutions

CO 4: Develop the ability to use the fundamental principles of wildlife ecology to solve local, regional and national conservation and management issues.

CO 5: Gain an appreciation for the modern scope of scientific inquiry in the field of wildlife conservation management.

CO 6: Develop an ability to analyze, present and interpret wildlife conservation management information.

Course Title: Environmental Biology,Wildlife Management & Conservation (Practical Paper-2)

Course Outcomes (COs):

At the end of the course, students will be able to:

CO 1: Understand the basic concepts of environmental sciences, ecosystems, natural resources,population, environment and society

CO 2: Understand the basic concepts of toxicology, their impact on human health and remedialmeasures

CO 3: Provide understanding and knowledge on modern concepts in wildlife management and relevant conservation policies and legislation and their enforcement mechanism at Global and Local Level,

CO 4: Understand the scientific approach to wildlife management and planning.

CO 5: Develop scientific skills for resolving human wildlife conflict including capture, handling, care and management of wild animals.

Program Outcome

Students enrolled in B.Sc. (Hons.) degree program in Zoology will study and acquire complete knowledge of disciplinary as well as allied biological sciences. At the end of graduation.

They should possess expertise which will provide them competitive advantage in pursuing higherstudies from India or abroad; and seek jobs in academia, research or industries.

Students should be able to identify, classify and differentiate diverse chordates and non-chordates based on their morphological, anatomical and systemic organization.

They will also be able to describe economic, ecological and medical significance of various animals inhuman life. This will create a curiosity and awareness among them to explore the animal diversity and take up wild life photography or wild life exploration as a career option.

The procedural knowledge about identifying and classifying animals will provide students professional advantages in teaching, research and taxonomist jobs in various government organizations; including Zoological Survey of India and National Parks/Sanctuaries.

Acquired practical skills in biotechnology, biostatistics, bioinformatics and molecular biology can be used to pursue career as a scientist in drug development industry in India or abroad.

Our students will be acquiring basic experimental skills in various techniques in the fields of genetics; molecular biology; biotechnology; qualitative and quantitative microscopy,enzymology and analytical biochemistry. These methodologies will provide extra edge to our students, who wish to undertake higher studies. In-depth knowledge and understanding about comparative anatomy and developmental biology of various biological systems.

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At the end of the course the student should be able to: Acquaint knowledge onImmune system:Antigens: Antibodies:Working of the immune system, Immune system in health and disease: Vaccines.

Program Outcomes(POs)

At the end of the Program the student should be able to: Acquaint knowledge on

I Core competency

II Critical thinking

III Analytical reasoning

IV Research skills

V Team work

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S.D.V.S. Sangh'S

S.S. Arts College and T.P. Science Institute, Sankeshwar

BA HISTORY

PROGRAMME SPECIFIC OUTCOME (PSOs)

The learning out comes based curriculum framework(LOCF) presented here visualize that graduate training needs to attend to the following considerations.

1. This course is designed to break the stereotypes of History learning and create interest amongst students to study History.
2. This programme is organized to provide the greatest flexibility to its student.
3. There are core Disciplinary papers that provide the fundamental knowledge in the discipline of history and in the study of the history of India and the world.
4. The programme in otherwise envisaged to provide a large amount of choice so that students can tailor their education on the basis of their interests.
5. These provide not just knowledge and skills in history and contemporary history but also is a vital skill for other disciplines as well.
6. The programme course is interdisciplinary keeping in mind that specialization in history is the key to accesses cognate skills from other disciplines.

BA HISTORY NEP

PROGRAM OUTCOME

1. To learn a basic narrative of historical events in a specific region of the world in a specific time frame.
2. To articulate factual and contextual knowledge of specific places and times to make careful comparisons (Across time space and culture)
3. The ability to use bibliographical tools for the advanced study of history.
4. To understand and evaluate different historical ideas various arguments and point of view.
5. To develop an appreciation of themselves and of other through the study of the past in local, regional, national and global context.
6. It instate an appreciation of the uniqueness of visual evidence and cultivate a particular skill of using visual evidence to understand human activity of the recent and distant past.

B.A. I Sem History (DSC-I)

Title of the Course: Political History of Karnataka (BCE 3-10 CE)

Course Outcome

1. Survey of sources- Pre historic culture
2. Kingship – Duties and Functions of King and his Ministers- Sapthanga theory
3. Coronation ceremony-Rajasuya-Vajapeya.
4. The Mauryas - The Satavahanas - Kadambas of Banavasi
5. The Gangas of Talakad - Durvineetha -The Nolambas
6. The Rastrakutas –Govinda III AmoghavarshaNrupatunga -Chalukyas of Badami – Pulikesin – II
7. Chalukyas of Kalyana-Tailapa-Vikramadithya-VI -Someshwara-III(CE-1076-CE-1126)
8. Kalachuris of Kalyana-Bijjala-II.
9. Central And Provincial Administration from Gangas of Talakadu to Kalachuris of Kalyana

B.A. I Sem History (DSC-II)

Title of the Course: Cultural Heritage of India

Course Outcome

1. Meaning and Definition of Historical Cultural Heritage-Concepts, Characteristics-types of Indian Cultural Heritage: Tangible, Intangible, Oral and Living traditions. 04
2. Significance of Fairs and Festivals -Religious Rituals: Regional, Folk, Tribal, National - Monsoon fairs- Animal Fairs 05
3. Pilgrimage centresof India- Kashi, Ujjaini,,Rameswara, Mount Abu Ajmer,Shravanabelagola,BandeNavazDarga, Amritsar, Goa. 05
4. Meaning, Significance, forms and Tradition of Legends - Puranic Legends - Ramayana and Mahabharata - Panchtantra- Jataka- Angas. 06
5. Traditional Performing Arts - Bharat NatyaShastra: The Source of Performing Indian Classical Arts; 03
6. Indian Classical Music - Dances as Cultural Heritage. Oral Tradition and performing Arts Carnatic Music and Hindustani Music – Indian Theatre 05
7. Meaning and Definition – Caves as Built Heritage 05

8. Important Monuments of India Shore Temple (Mahabalipuram), Aihole. Badami, Pattadakal. Ajanta,Ellora, Jaganatha Temple –Puri, Konark Sun Temple, Khajuraho, Sanchi. 03
9. Monuments of India - Sarnath, Sanchi, Konark, Khajuraho, Hampi, TajMahal, Red Fort, Madurai, Shravanabelagola, Thanjavur,Delhi,Agra,Nalanda,Saranatha,Sanchi,Hampi,Badami,Mahabalipuram,Ajantha,Ellora, Prayaga, Varanasi, Ramaeshwaram, Dwaraka, Konark, Khajuraho

B.A. I Sem History (OEC)

Title of the Course: Cultural History of Karnataka

Course Outcome

1. Antiquity of Karnataka- Language and Script – Inscriptions and Development of Literature
2. Agriculture andLand Grants
3. Education and Emergence of Agraharas
4. Society – Family and Customs – Marriage system – Food habits
5. Religion – Traditions and Rituals
6. Festivities – Dasara, Karaga, MahamasthakaAbisheka; Pilgrimages – Savadati, Kudalasangama, BandeNavazUrs
7. Pilgrim Circuits of Jainism and Buddhism
8. Hindusim – Various Cults: Shaiva-Vaishnava- Bhagavatha
9. Art and Architecture – Fine Arts and Performing Arts

B.A. II Sem History (DSC-III)

Title of the Course: Political History of Karnataka(CE11-CE 1750)

Course Outcome

1. The Hoysalas of Dorasamudra: Vishnuvardhana.
2. The Yadavas of Devagiri: Bhillam.
3. The Kambasa of Hanagal.
4. Vijayanagara– Empire–Krishnadevraya – The betal of TalikotBahamani Kingdom-Mahammad-Gawan.
5. Nayakas of Chitrdurga-MadukariNayaka V, Nayakas of Keladi- ShivappaNayaka.

6. Maratha Rule in Karnataka – Shahaji – Shivaji.
7. Wadiyar of Mysore – ChikkadevrajWadiyar-KirshanrajWadiyar.
8. Minor Chieftains – Yalahanka Nada Prabhus – SondaNayakas.
9. Administration from Hoysalas to post Vijayanagar period.

B.A. II Sem History (DSC-IV)

Title of the Course: Cultural Heritage of Karnataka

Course Outcome

1. Meaning, Definition and Historical background of cultural Heritage
2. Characteristics of Karnataka Heritage
3. Significance of cultural Heritage Fairs, Festivals and Rituals
4. Historical background of Fairs, Festivals and Rituals and their importance in Karnataka culture
5. Fairs of Karnataka – Types of Fairs– Temple fairs (Utsava) Folk Fairs, Urs, Karaga, Baisaki,-MakarSankaramana, Kambali-Jallikattu
6. Festivals of Karnataka – Religious festivals Ugadi, GaneshaChaturthi- Dasara-Deepavali, Huttari, Pongal, Muharram, Id-ul-Fitr (Ramzan) Idul- Zuha (Bakrid), GurunankJayanthi, and Christmas Traditional Art and Architecture and cultural Ethos
7. Meaning of Art and Architecture – Forms of Dance
8. Forms of Music
9. Architecture and Built Heritage

B.A. II Sem History (OEC)

Title of the Course: Cultural History of Karnataka (CE11 to CE1750)

Course Outcome

1. Vachana Literature – AnubhavaMantappa.
2. Bhakti Movement of Karnataka – Literature Movement.
3. Sufism and Christian missionaries in Karnataka.
4. Social Conditions – Caste System – Rituals and Customs.
5. Economic Conditions – Agriculture – Irrigation.
6. Indigenous Industries - Trade and Commerce.
7. Temple Architecture – Islamic Architecture.

8. Church Architecture.
9. Painting.

B.A. III Sem History (DSC-V)

Title of the Course: Political History of India

Course Outcome

Course Outcomes (Cos):

At the end of the course the students should be able to:

1. student's actions that serve as evidence of knowledge, skills and values acquiredin this course)
2. Understand the history and culture of Political History of Indiaregion.
3. Analyse the importance of causes for backwardness of this region.
4. Understand the influence of political influence on the people and cultureof this region.
5. Understand the political, Social, Religious and Cultural history of theregion.
6. Appreciate the divergent cultural and communal harmony of this region.

B.A. III Sem History (DSC-VI)

Title of the Course: Regional History

Course Outcomes (Cos):

At the end of the course the students should be able to:

1. student's actions that serve as evidence of knowledge, skills and values acquiredin this course
2. Understand the history and culture of History of Bombay Karnataka.
3. Analyse the importance of causes for backwardness of this region.
4. Understand the influence of political influence on the people and cultureof this region.
5. Understand the political, Social, Religious and Cultural history of theregion.
6. Appreciate the divergent cultural and communal harmony of this region.

B.A. III Sem History OE-3

Freedom Movement in Karnataka

Course Outcomes (Cos):

At the end of the course the students should be able to:

1. Understand the Freedom Movement in Karnataka (1800-1947)
2. Analyse the importance of causes for backwardness of this region.
3. Understand the influence of Freedom Movement in Karnataka (1800-1947)
4. Understand the political, Social, Religious and Cultural history of theregion.
5. Appreciate the divergent cultural and communal harmony of this region.

B.A. IVSem History (DSC-VII)
Title of the Course: History of Medival India

Course Outcomes (Cos):

At the end of the course the students should be able to:

1. Understand the Political History Medieval India (from 1206 to 1761).
2. Analyse the importance of causes for backwardness of this region.
3. Understand the influence of Political History Medieval India (from 1206 to 1761).
4. Understand the political, Social, Religious and Cultural history of the region.
5. Appreciate the divergent cultural and communal harmony of this region.

B.A. IVSem History (DSC-VIII)

Title of the Course:Cultural History of India (from Saraswati- Indus Culture to 1206 CE)

Course Outcomes (Cos):

At the end of the course the students should be able to:

1. Understand the History of Cultural History of India (From Saraswati - Indus Culture to 1206 CE).Analyse the importance of causes for backwardness of this region.
2. Understand the influence of History of Cultural History of India (From

Course Title: History of India.

(CE1761-CE 1857)

Semester: V (NEP) Course Code: DSC – 9

Course Objectives:

This course is designed to

• Student will be able to formulate basis of modern India through different concepts like modernity, Rule of Law etc

• Students will be able to analyze the process of rise modern India and its foundation made by social reformer and freedom fighters.

• Students will be able to analyze social background of Indian Nationalism

• Students will be able to categorize different school of thoughts about Modern India history

• Students will be able to illustrate rise and growth of Economic Nationalism in India.

Learning Outcomes:

At the end of the course the students shall –

• Be in a position to understand the Dynamics of expansion, with special reference to Bengal, Mysore, Awadh, Punjab.

• Be familiar with Land revenue systems- Permanent, Ryotwari and Mahalwari system, Commercialization of Agriculture- Consequences.

• Be in a position to understand the Drain of Wealth-causes and consequences, Growth of modern industry.

Course Title: Socio - Religious Reforms and Indian National Movement

Semester: V (NEP) Course Code: DSC-11

Course Outcomes (COs): At the end of the course students will be able to :

CO1: Assess the contributions of social reformers of renaissance period.

CO2: In additional social transformation work and activities of social reformers will inspire the youth andmake them enterprising.

CO3: Further of the study of Aligarh, Adi Dharma and NamoShudra movements will alsoInspirethe modernization and advancement of the respective communities.

CO4: Trace the course, ideology and methods of Liberal and Radical nationalists.

CO5:Understand emergence of mass politics during Gandhian era

CO6: Understands the process and impact of the constitutional development

Course Title: European History

Semester: VI (NEP) Course Code: DSC-13

Course Outcomes (COs): At the end of the course students will be able to:

* Understands the foreign policy of European countries as well as formation of alliance and counter alliances
* Understand the success of the Russian revolution of 1917 and socio-economic transformation of Russia under Lenin.
* Trace the causes and consequence of the World War – I and establishment of the League of Nations.
* Trace consequence of the Great Depression and the emergence of dictatorship in Italy and Germany.
* Understand the impacts of World War II.
* In additions this help them to realize the importance of international morality in view of establishment and work of UNO

Course Title: HISTORY OF FREEDOM MOVEMENT AND UNIFICATION IN KARNATAKA

Semester: VI (NEP) Course Code: DSC 14

Learning Outcome:

- To get familiarized with impact of the rebellion of 1857 on Karnataka
- To get acquainted with National Movement in Karnataka
- To know about Belgaum Congress Session
- To understand about Origin and development of unification movement in Karnataka
- To know about Contributions of Various Kannada Organizations.

Programme Outcome

- Disciplinary knowledge
- Professional skills
- Application of skills to chosen specialization
- Experimental learning and critical thinking
- Application on to administration related problems
- Knowledge of e resources and social media
- Skills in scientific writing and effective presentation
- Critical evaluation of theoretical approaches

S.S. Arts College & T. P. Science Institute ★ SANKESHWAR 591313

Head
Department of History
S.S.Arts College & T.P.Science Institute
SANKESHWAR

PRINCIPAL
S.S.Arts College & T P Science Institute
SANKESHWAR

S.D.V.S. Sangh'S

S.S. Arts College and T.P. Science Institute, Sankeshwar

Department of Hindi

CO'S, PO'S and PSO'S

B.A I Sem (Hindi OEC) NEP

Course Code:OE-1-Hindi

Course Title: Sambhashana kala Tatha Chalchitra-lekhan

COURSE OUTCOMES (COs)

1) छात्रों में अंतर्निहित संप्रेषण एवं बोलने की कला का विकास होगा।
2) व्यक्तित्व विकास होगा।
3) मानव उच्चारण काअभ्यास होगा।
4) संभाषण कला के विविध रूपों को ज्ञान होगा।
5) सिनेमा में रोजगार के अवसरों से परिचित होंगे।
6) हिंदी के विविध मौखिक रूपों का प्रयोग होगा।
7) हिंदी सिनेमा समीक्षा कर सकेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9. गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15. अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A II Sem (Hindi OEC) NEP

Course Code:OE-2-Hindi

Course Title: Social Media and Hindi

COURSE OUTCOMES (COs)

1) सोशल मीडिया के स्वरूप तथा महत्व को जान सकेंगे।
2) हिंदी भाषा के अध्ययन से अपने भविष्य का निर्माण कर सकेंगे।
3) स्वयं के चरित्र निर्माण द्वारा समाज को विकास के पथपर अग्रसर करेंगे।
4) आदर्श समाज की स्थापना में स्वयं की भागीदारी को अंकित कर सकेंगे।
5) यू ट्यूब चैनल बनाना सीखेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

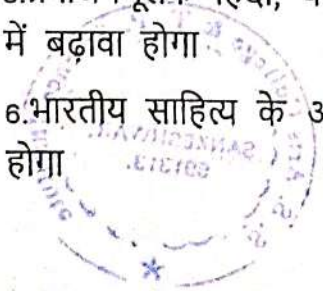
2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा



7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A I Sem (Hindi DSC-I) NEP

Course Code:DSC-1-Hindi(B.A.)

Course Title: Collection of Short Stories + terminology

COURSE OUTCOMES (COs)

1) कहानी के पठन-पाठन में रुचि उत्पन्न होगी।
2) आधुनिक हिंदी कहानी के विकास क्रम से परिचित होंगे।
3) भाषायी शुद्धता के प्रति रुचि निर्माण होगी।
4) लेखन कौशल प्राप्त कर सकेंगे।
5) भाषा के प्रयोग में सक्षम होंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A I Sem (Hindi DSC-II) NEP

Course Code:DSC-2-Hindi(B.A.)

Course Title:Hindi Grammer

COURSE OUTCOMES (COs)

1) शुद्ध भाषा का प्रयोग करने में सक्षम होंगे।
2) भाषा से संबंधित नियमों का ध्यान प्राप्त होगा।
3) भाषा को विज्ञानिक दृष्टिकोण से देखने में सक्षम होंगे।
4) भाषाएं शुद्धता के प्रति रुचि निर्माण होगी।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A II Sem (Hindi DSC-III) NEP

Course Code:DSC-3-Hindi(B.A.)

Course Title: Collection of Poemes

COURSE OUTCOMES (COs)

1) काव्य के पठन-पाठन में रुचि उत्पन्न होगी।
2) आधुनिक हिंदी काव्य के विकास क्रम से परिचित होंगे।
3) भाषा की शुद्धता के प्रति रुचि निर्माण होगी।
4) काव्य रचना कौशल प्राप्त कर सकेंगे।
5) खंडकाव्य के स्वरूप को समझ सकेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A II Sem (Hindi DSC-IV) NEP

Course Code:DSC-4-Hindi(B.A.)

Course Title: Functional Hindi

COURSE OUTCOMES (COs)

1) प्रयोजनमूलक हिंदी का विश्लेषणात्मक ज्ञान प्राप्त होगा।
2) प्रयोजन मूलक हिंदी उसके माध्यम का व्यावहारिक प्रयोग कर सकेंगे।
3) हिंदी भाषा के विविध प्रयोजन से अवगत होंगे।
4) संविधान में राज्यभाषा हिंदी के प्रावधानों को समझ सकेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A I Sem (Hindi AECC- I) NEP

Course Code:AECC-1-Hindi(B.A.)

Course Title: Collection of Short Stories + idioms and proverbs

COURSE OUTCOMES (COs)

1) कहानी के पठन-पाठन में रुचि उत्पन्न होगी।
2) आधुनिक हिंदी कहानी के विकास क्रम से परिचित होंगे।
3) भाषायी की शुद्धता के प्रति रुचि निर्माण होगी।
4) लेखन कौशल्य प्राप्त कर सकेंगे।

5) भाषा के प्रयोग में सक्षम होंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.A II Sem (Hindi AECC-II)

Course Code:AECC-2-Hindi(B.A.)

Course Title: Collection of short Stories+ Functional Hindi

COURSE OUTCOMES (COs)

1) लघु उपन्यास के तत्वों के आधार पर पाठ विश्लेषण क्षमता प्राप्त कर सकेंगे।
2) हिंदी उपन्यास की पूर्ण जानकारी प्राप्त कर सकेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.Sc. I Sem (Hindi AECC-I)

Course Code:AECC-1-Hindi(B.Sc.)

Course Title: Collection of Short Stories + Functional Hindi

COURSE OUTCOMES (COs)

1) कहानी के पठन-पाठन में रुचि उत्पन्न होगी।
2) आधुनिक हिंदी कहानी के विकास क्रम से परिचित होंगे।
3) भाषाएं शुद्धता के प्रति रुचि निर्माण होगी।
4) लेखन कौशल प्राप्त कर सकेंगे।

5) हिंदी भाषा का महत्व तथा विविध रूप जान सकेंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

B.Sc. II Sem (Hindi AECC-II)

Course Code:AECC-2-Hindi(B.Sc.)

Course Title: Collection of Poems + Translation

COURSE OUTCOMES (COs)

1) कविता पढ़कर स्वयं कविता रचने की क्षमता प्राप्त करेंगे।

2) आधुनिक हिंदी कविता की परिपूर्ण जानकारी प्राप्त करेंगे।
3) अनुवाद करने में सक्षम होंगे।
4) सूक्ष्मभावों की अभिव्यक्ति में सक्षम होंगे।

Programme Specific Outcomes (PSOs)

इस पाठ्यक्रम के पठन-पाठन की दिशा में निम्नलिखित परिणाम सामने आएंगे।

1.हिंदी भाषा की आरंभिक स्तर से लेकर वर्तमान के बदलते रूपों की जानकारी प्राप्त की जा सकती है

2.भाषा के सैद्धांतिक रूप के साथ साथ व्यवहारिक रूप भी जाना जा सकता है।

3.उच्च शैक्षिक स्तर पर हिंदी भाषा किस प्रकार महत्वपूर्ण भूमिका निभा सकती इससे संबंधित परिणाम प्राप्त हो सकते हैं।

4.भाषागत मूल्यों को व्यवहारिक रुप को भी जान सकते हैं।

5.प्रयोजनमूलक हिंदी, पत्रकारिता, अनुवाद के अध्यापन ,अध्ययन के द्वारा व्यवसा की क्षमता में बढ़ावा होगा

6.भारतीय साहित्य के अध्ययन से छात्रों के ज्ञान विस्तार तथा अभिव्यक्ति क्षमता में विकास होगा

7.साहित्य के माध्यम से सौंदर्यबोध, नैतिकता, सामाजिक समरसता, पर्यावरण संबंधी विषयों की समझ विकसित होगी

8.भाषायी और साहित्य क्षमता में सघन होंगे

9.गंभीर समीक्षात्मक और स्वतंत्र चिंतन के लिए सक्षम

10.अपने विचारों को व्यक्त करने तथा बहुआयामी व्याख्या को समझने के लिए तैयार होंगे

11.रचनात्मकता में अभिरुचि का निर्माण होगा∞

12.साहित्य इतिहास के अध्ययन से साहित्यकार के युगबोध का परिचय होगा

13.काव्यशास्त्र सिद्धांतों के अध्ययन पर विश्लेषण की क्षमता का निर्माण होगा

14.वर्तमान तकनीकी वातावरण में हिंदी के प्रयोग में दक्ष होंगे

15.अनुवाद, रिपोर्ट लेखन, कविता, कहानी आदि की प्रस्तुति का अनुभव प्राप्त करेंगे।

Course Code : AECC-3-HINDI (B.Sc. III Sem)

Course Title/Discipline : एकांकी संकलन + पत्र लेखना

Course Outcomes

1. हिन्दी एकांकी साहित्य की जानकारी प्राप्त कर सकेंगे।

2 एकांकी के तत्वों के आधार पर समीक्षा करने की क्षमता प्राप्त कर सकेंगे।
3. संचार के विविध माध्यमों को जान सकेंगे।
4. लेखन कौशल प्राप्त कर सकेंगे।

Course Code: AECC-3-HINDI (B.A. III Sem)
Course Title/Discipline : गद्य विविधा समानार्थी
1. हिंदी गद्य की विभिन्न विधाओं से परिचित होंगे।
2. हिंदी के गद्यकारों से परिचित होंगे।
3. लेखन कौशल प्राप्त कर सकेंगे।
4. भाषायी शुद्धता के प्रति रुचि निर्माण होगी।

Course Code : AECC-4-HINDI (B.A. IV Sem)
Course Title / Discipline : खंडकाव्य + पत्रलेखन
1. हिन्दी नाट्य काव्य / खण्ड काव्य / समकालीन कविता की पूर्ण जानकारी प्राप्त कर सकेंगे।
2. तत्वों के आधार पर पाठविश्लेषण क्षमता प्राप्त कर सकेंगे।
3. हिंदी पत्रव्यवहार से संबंधित सही जानकारी प्राप्त करेंगे।

Course Code : OE-3- (HINDI III Sem)
(B.A./B.Com./B.Sc./B.B.A./B.S.W/C.C.J)
Course Title/Discipline : हिंदी भाषा और साहित्यका सामान्य परिचय
1. हिंदी भाषा के अध्ययन से अपने भविष्य का निर्माण कर सकेंगे।
2. हिंदी साहित्य के गौरवमय इतिहास से परिचित होंगे।
3. हिंदी भाषा और साहित्य का महत्व जान सकेंगे।

Course Code: AECC-4-HINDI (B.Sc. IV)
Course Title/Discipline : उपन्यास + संचार माध्यम और हिंदी

1. हिन्दी उपन्यास साहित्य की जानकारी प्राप्त कर सकेंगे।
2. उपन्यास के तत्वों के आधार पर समीक्षा करने की क्षमता प्राप्त कर सकेंगे।
3. हिंदी पत्रव्यवहार से संबंधित सही जानकारी प्राप्त करेंगे।
4. लेखन कौशल प्राप्त कर सकेंगे।

B.A. IV Sem
Course Code: OE-4-HINDI
Course Title/Discipline : अनुवादकौशल

1. अनुवाद करने में सक्षम होंगे।
2. सूक्ष्म भावों की अभिव्यक्ति में सक्षम होंगे

Course Code:DSC-A5-HINDI (B.A. III Sem)
Course Title/Discipline : हिंदी साहित्यका इतिहास (प्रथम ३ काल)

1. हिंदी साहित्य के गौरवमय इतिहास से परिचित होंगे।
2. हिंदी भाषा और साहित्य का महत्व जान सकेंगे।

Course Code:DSC-A7-HINDI (B.A. IV Sem)
Course Title/Discipline : साहित्यिकविधाः हिंदी साहित्यका
इतिहास (आधुनिककाल)

1. हिंदी साहित्य के गौरवमय इतिहास से परिचित होंगे।
2. हिंदी भाषा और साहित्य का महत्व जान सकेंगे।

Course Code :DSC-A6-HINDI (B.A. III Sem)
Course Title/Discipline : एकांकी संकलन

1. हिन्दी एकांकी साहित्य की जानकारी प्राप्त कर सकेंगे।
2 एकांकी के तत्वों के आधार पर समीक्षा करने की क्षमता प्राप्त कर सकेंगे।

Course Code: DSC-A8-HINDI (B.A. IV Sem)
Course Title/Discipline : साहित्यिक निबंध
1. हिंदी भाषा और साहित्य का महत्व जान सकेंगे।

Semester V
DSE 1 : Title of the Paper- मध्यकालीन हिंदी काव्य संकलन तथा नाट्यकाव्य Presribed Text : १) मध्यकालीन हिन्दी काव्यसंकलन

1. मध्यकालीन हिंदी कवियों का परिचय
2. मध्यकालीन हिंदी साहित्य का परिचय
3. खंडकाव्य का स्वरूप

DSE 2B : Title of the Paper- साहित्य शास्त्र, छंद तथा अलंकार

1. साहित्य की विविध विधाओं का अध्ययन
2. छंद और अलंकारों का परिचय

SEC Semester V (2022-23 and onwards) Title of the Paper : समाचार संकलन और लेखन समाचार : अर्थ, परिभाषा एवं स्रोत

संवाददाता के गुण

रिपोर्टिंग के क्षेत्र और प्रकार

पारिभाषिक शब्दावली

1. समाचार संकलन से परिचित होना।
2. लेखन समाचार से परिचित होना।
3. रिपोर्टिंग क्षेत्र का अध्ययन

Semester VI

DSE 1 Title of the Paper- उपन्यास तथा नाटक

1. हिंदी उपन्यास विधा का महत्व
2. हिंदी उपन्यास में धर्मवीर भारती का स्थान
3. हिंदी नाटक विधा का उन्द्भव और विकास
4. हिंदी के प्रमुख नाटककारों का परिचय प्राप्त करना

DSE 2B : Title of the Paper- भाषा विज्ञान तथा हिंदी भाषा का उन्द्भव और विकास

1. भाषा विज्ञान की परिभाषा और उपयोगिता
2. हिंदी भाषा का उन्द्भव और विकास परिचय प्राप्त करना
3. हिंदी शब्द भंडार का अध्ययन करना
4. हिंदी को प्रमुख बोलियों से परिचित होना।

SEC Semester VI

Title of the Paper : अनुवाद विज्ञान

अनुवाद व्यवहार (अंग्रेजी से हिंदी)

1. अनुवाद का स्वरुप परिचित होना।
2. अनुवाद की उपयोगिता

Prof. Smt. P. V. Gadavi
H. O. D. Dept. of Hindi
S. S. Arts College & T. P. Science Inst.
SANKESHWAR

S.S. Arts College & T. P. Science Institute
SANKESHWAR.
591313.

PRINCIPAL
S.S.Arts College & T P Science Institute
SANKESHWAR

DEPARTMENT OF HINDI

V and VI Semester (NEP)

COURSE OUTCOMES (Cos)

1. विभिन्न बोलियों की समझ विकसित होगी।

2.हिंदी भाषा के इतिहास का विकास समझ पायेंगे।

3.समकालीन कवि और कृतियों को समझने की क्षमता निर्माण होगी।

4.राष्ट्रीय क्षेत्र के प्रति प्रेम और गर्व की भावना उत्पन्न होगी।

5.हिंदी साहित्य में साहित्यकारों के राष्ट्रीय योगदान को समझ पायेंगे।

6.देश के स्वतंत्रता आंदोलन का इतिहास समझ पाएंगे।

7.भारतीय साहित्य की विविध विधाओं में रचित साहित्य के विश्लेषण की समझ विकसित होगी।

8.भाषा के सामाजिक विश्लेषण की क्षमता निर्माण होगी।

Programme Specific Outcomes (PSOs)

1. भाषा कौशल का विकास करना।

2.विद्यार्थियों को संवेदनशील नागरिक बनाना।

3.एक कुशल वक्ता का निर्माण करना।

4.मानवीय मूल्यों के प्रति स्वस्थ दृष्टिकोण विकसित करना ।

5. विभिन्न साहित्यिक विधाओं की जानकारी देना।

6.रोजगार के लिए उचित व्यावसायिक कौशल में छात्रों को प्रशिक्षित करना।

S. S. Arts College & T. P. Science Institute SANKESHWAR 591313

Head
Department of Hindi
S S.Arts College & T.P.Science Institute
SANKESHWAR

PRINCIPAL
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S.D.V.S.Sangh's

S.S.Arts College &T.P.ScienceInstitute,Sankeshwar

DEPARTMENT OF SOCIOLOGY

Name of the Degree Program: BA

PROGRAMME OUTCOMES:

By the end of the program the students will be able to:

1. Think critically by exercising sociological imagination.
2. Question common wisdom, raise important questions and examine arguments.
3. Collect and analyse data, make conclusions and present arguments.
4. Think theoretically and examine the empirical data.
5. Skilfully Participate in Research Groups and market Research Firms.
6. Serve in Development Agencies, Government Departments and Projects.
7. Be a Social Entrepreneur, Community Worker, Survey Designer, Research Analyst, and Social Statistician.
8. Transfer Skills as a Teacher, Facilitator of Community Development.
9. Competent to make a difference in the community.

S.S. Arts College & T. P. Science Institute SANKESHWAR. 591313

B.A I Semester:-

Course Title: Understanding Sociology (DSC-1)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Understand the nature and role of Sociology in a changing world.
2. Comprehend the uniqueness of sociological imagination in the study of real world.
3. Recognize different perspectives of perceiving the workings of social groups.
4. Differentiate between sociology's two purposes - science and social reform.
5. Express one's understanding of current social issues in oral and written forms.

Course Title: Changing Social Institutions in India (DSC-2)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Identify the new forms taken by institutions of family and marriage.
2. Understand the role played by religion in modern world.
3. Sensitize the students to the conflicting norms of secularism and living by one's religious beliefs.
4. Appreciate the role of education and challenges in making educationaccessible to all.
5. Recognise the social nature of economy and work.
6. Grasp the opportunities offered by democracy and the threats it faces.
7. Undertake micro research work and communicate effectively.

Course Title: Sociology of Mass Media (OEC)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Analyze the relationship between mass media and society and role of Mass Media in the Development of Society.
2. The learner will be familiarize with nature, characteristics and functions of mass media in modern society and able to develop analytical capacity.
3. Students will be provided Sociological Perspective on the role of Mass Media in Indian Society.
4. The course seeks to improve the employability of students who are willing to make career as Journalists, Reporters editors and Freelance Writers.

B.A II Semester:-

Course Title: Foundations of Sociological Theory (DSC-3)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Contextualize the social and intellectual background of classical sociologists.
2. Appreciate the contemporaneity of classical sociological thought.
3. Appreciate the need for thinking in theoretical terms and concepts.
4. Demonstrate Basic Understanding of Theory and Research.

Course Title: Sociology of Rural Life in india (DSC-4)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Understand the myths and realities of village India constructed by Western scholars.
2. Understand the changes in land tenure systems and consequences.
3. Appreciate the role of traditional social institutions and how they have responded to forces of change.
4. Make an informed analysis of various development programmes and challenges encountered .

Course Title: Social development in India (OEC)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Distinguish between growth and development.
2. Appreciate the importance of social component of development.
3. Appreciate the need for sustainable and inclusive human development.
4. Recognise the necessity for focus on changing social values to realise the full potential of growth

B.A III Semester:-

Course Title: Indian Social Thinkers

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Understand the nature of the Development of Social Thought.
2. Students will gain awareness about Indian Thinkers, Sociologists, and their Contributions.
3. Students will learn the Social Ethics of Indian Social Thought.

B.A IV Semester:-

Course Title: Study of Western Sociological Thought

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Students will understand the basics of Western Sociological Theories
2. Will be aware of Western Sociological Thinkers and their Contributions
3. They will learn the Methodology of Social Sciences

B.A V Semester:-

Course Title: Rural Development in India Paper -I

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Students learn the nature of Rural Development in India.
2. Students will understand the changing nature of the Land Tenure System and Land Reforms.
3. They Understand the Panchayat Raj System in India
4. Understand the nature of Rural Development Programmes.

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S.S. Arts College &T.P. Science Institute, Sankeshwar

DEPARTMENT OF SOCIOLOGY

Name of the Degree Program: BA

PROGRAMME OUTCOMES:

By the end of the program the students will be able to:

1. Think critically by exercising sociological imagination.
2. Question common wisdom, raise important questions and examine arguments.
3. Collect and analyse data, make conclusions and present arguments.
4. Think theoretically and examine the empirical data.
5. Skilfully Participate in Research Groups and market Research Firms.
6. Serve in Development Agencies, Government Departments and Projects.
7. Be a Social Entrepreneur, Community Worker, Survey Designer, Research Analyst, and Social Statistician.
8. Transfer Skills as a Teacher, Facilitator of Community Development.
9. Competent to make a difference in the community.

B.A V Semester:-

Course Title: SOCIAL ENTREPRENEURSHIP (DSC-09)

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Understand the scope and need for social entrepreneurship.
2. Plan and implement socially innovative ideas.
3. Equip themselves to establish a social enterprise or non-profit organization.

Course Title: SOCIETY AND TRIBES (DSC-10)

COURSE OUTCOMES (COs):

At the end of the course the student should be able to:

1. Understand and appreciate the social organisation among the tribal community
2. Assess the impact of social changes on tribal social life
3. Communicate their micro research work effectively to the society.

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Course Title: STATISTICS IN SOCIOLOGICAL RESEARCH (DSC-11)

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Use the appropriate research method
2. Use appropriate statistical techniques
3. Summarise data, examine relationships among variables

B.A VI Semester:-

Course Title: SOCIOLOGICAL PERSPECTIVES (DSC-13)

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Appreciate the significance of major Sociological theories
2. Able to use fundamental theoretical categories
3. Understand the nuance of sociological perspectives and concepts

Course Title: SOCIOLOGY OF HEALTH (DSC-14)

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Appreciate the significant relationship between society and health
2. Distinguish between health, well-being, illness and disease
3. Critique the role of medical doctors, paramedics, the pharmaceutical industry, and social institutions in maintaining and promoting health

Course Title: SOCIETY IN KARNATAKA (DSC-15)

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Acquaint and appreciate the cultural items of Karnataka
2. Critique the social changes occurring in Karnataka
3. The usefulness of sociological study in contemporary society

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DEPARTMENT OF SOCIOLOGY

Name of the Degree Program: BA in Sociology

PROGRAMME SPECIFIC OUTCOMES:

By the end of the program the students will be able to:

1. This course will introduce students to new concepts of Sociology discipline.
2. These concepts will enhance the conceptual learning and understanding of the basic concepts used in Sociology.
3. This course will contribute in enriching the vocabulary and scientific temperament of the students.
4. The course is designed to incorporate all the key concepts of sociology which would enable the learner to develop keen insights to distinguish between commonsense knowledge and Sociological knowledge.
5. This course provides a comprehensive understanding of Indian society.

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B.A V Semester:-

Course Title: Urban Society in India Paper-II

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Students know about the Sociological understanding of Urban Society in India.
2. Understand the Evolution of Cities and Urban Communities.
3. Students will be aware of Urban Problems in India
4. They will understand Urban Planning and Urban Development

B.A VI Semester:-

Course Title: Basics of Social Research Paper- I

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Understand the Importance of Social Research in Social Science.
2. Students will know about the Research Procedure.
3. Understand, Report Writing and Application of Basic Statistics.
4. Will understand the Application of Computers in Social Research.

B.A VI Semester:-

Course Title: Current Social Problems Paper- II

COURSE OUTCOMES (COs):

At the end of the course, the student should be able to:

1. Students understand about the Nature of Social Problems.
2. They will understand the Nature and Causes of Changing trends of Crimes in India.
3. Understand the Nature of Vulnerable Problems of Life.

H. O. D.
Department of Sociology

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Estd : 1967

(08333) : 273316
Fax : (08333) : 274206

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S.S. Arts College & T.P. Science Institute

Sankeshwar – 591313. Dist. Belgaum (Karnataka)

Accredited at "B++" Level by NAAC

E-Mail: aascsky@rediffmail.com

www.sstpsnk.edu.in

DEPARTMENT OF BOTANY

Year: 2022-23
Course: B.Sc. (Botany)
Duration: 4 Years (NEP)
Level: Graduation
Type: Degree

Programme Specific Outcomes (PSOs)

PO1: Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.

PO2: Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.

PO3: Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.

PO4: Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study.

PO5: Ability to explain the diversity and evolution based on the empirical evidences in morphology, anatomy, embryology, physiology, biochemistry, molecular biology and life history.

PO6: Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development.

6. Understanding the various reproductive methods sub-stages in the life cycle of plants

8. Enthusiasm to understand evolution based on the variations in reproduction among plants.

S.S. Arts College & T. P. Science Institute SANKESHWAR. 591313

CO 1: III semester : PLANT ANATOMY AND DEVELOPMENT BIOLOGY.

CO 1	On completion of this course, the successful students will be able to:
1.	Observation of variations that exist in internal structure of various parts of a plant and as well as among different plant groups in support for the evolutionary concept.
2.	Skill development for the proper description of internal structure using botanical terms, their identification and further classification.
3.	Induction of the enthusiasm on internal structure of locally available plants.
4.	Understanding various levels of organization in a plant body with an outlook in the relationship between the structure and function through comparative studies.
5.	Observation and classification of the embryological variations in angiosperms.
6.	Observation and classification of the floral variations from the premises of college and house.

CO 1 : IV semester : ECOLOGY & CONSERVATION BIOLOGY.

CO 1	**On completion of this course, the successful students will be able to:**
1.	Understanding the various reproductive methods sub-stages in the life cycle of plants
2.	Aside from structuring the curriculum to be more in-depth, focused, and comprehensive with significant skill-set for all exit levels.
3.	Enthusiasm to understand evolution based on the variations in reproduction among plants.
4.	Observation and classification of the embryological variations in angiosperms.
5.	Special attention is given to eliminate redundancy, discourage rote learning, and espouse a problem-solving, critical thinking, and inquisitive mindset among learners.
6.	Skill development for the proper description of internal structure using botanical terms, their identification and further classification.

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E-Mail: aasesky@rediffmail.com
www.sstpsnk.edu.in

DEPARTMENT OF BOTANY

Programme Specific Outcomes (PSOs)

PO1: Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.

PO2: Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.

PO3: Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.

PO4: Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study.

PO5: Ability to explain the diversity and evolution based on the empirical evidences in morphology, anatomy, embryology, physiology, biochemistry, molecular biology and life history.

PO6: Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development. Understanding the various reproductive methods sub-stages in the life cycle of plants. Enthusiasm to understand evolution based on the variations in reproduction among plants.

V Semester (NEP)
Course title: Plant Morphology and Taxonomy (Theory) Paper-1
Course Code: DSC – 21BSC5BOT 5L1
Course Outcomes (COs): After the successful completion of the course, the student will be able to:
CO1.Understanding the main features in Angiosperm evolution
CO2.Ability to identify, classify and describe a plant in scientific terms, thereby, Identification of plants using dichotomous keys. Skill development in identification and classification of flowering plants.
CO3.Interpret the rules of ICN in botanical nomenclature.
CO4.Classify Plant Systematic and recognize the importance of herbarium and Virtual Herbarium,
Evaluate the Important herbaria and botanical gardens.

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CO5. Recognition of locally available angiosperm families and plants and economically important
plants. Appreciation of human activities in conservation of useful plants from the past to the present.

Course Title : Genetics and Plant Breeding (Theory) Paper-2
Course Code: DSC – 21BSC5BOT 5L2
Course Outcomes (COs): After the successful completion of the course, the student will be able to:
CO1. Understand the basics of genetics and plant breeding
CO2. Ability to identify, calculate and describe crossing over, allelic generations and frequencies of recombination.
CO3. Interpret the results of mating and pollinations.
CO4. Classify plant pollination methods
CO5. Recognition of modes of inheritance of traits/ phenotypes and phenotype-genotype correlation.

VI Semester (NEP)
Course Title Cell Biology (Theory) paper-1
Course Code: DSC-21BSC6BOT 6L1
Course Outcomes (COs): After the successful completion of the course, the student will be able to:. **CO1.** Understanding of Cell metabolism, chemical composition, physiochemical and functional organization of Organelle
CO2. Contemporary approaches in modern cell and molecular biology.
CO3. To study the organization of cell, cell organelles and bio molecules (i.e protein, carbohydrate, lipid and nucleic acid)
CO4. To gain knowledge on the activities in which the diverse macro molecules and microscopic structures inhabiting the cellular world of life are engaged.
CO5. To understand the various metabolic processes such as respiration, photosynthesis etc. which are important for life.

Course Title Plant Physiology and Plant Biochemistry (Theory) Paper-2
Course Code: 21BSC6BOT 6L2
Course Outcomes (COs): After the successful completion of the course, the student will be able to:
CO1. Importance of water and the mechanism of transport.
CO2. To understand biosynthesis and breakdown of bio molecules.
CO3. Role of plant hormones in plant development and about secondary metabolites.
CO4. Preliminary understanding of the basic functions and metabolism in a plant body.
CO5. To understand the importance of nutrients in plant metabolism and crop yield.

Head
Department of Botany
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CO 1: V semester P-I : ECONOMIC BOTANY and BIOTECHNOLOGY.

CO 1	On completion of this course, the successful students will be able to:
1.	Study of economically important plants: Wheat, Jowar, Rice, Gram, Soybean, Black pepper, Clove, Tea, Cotton, Groundnut through specimens.
2.	Study of economically important plants: chick pea, cowpea, Clove, Tea, Cotton, Groundnut and rubber through specimens.
3.	Familiarization with basic equipments in tissue culture.
4.	Study through photographs: endosperm and embryo culture; micropropagation.
5.	Study of molecular techniques: PCR and Blotting techniques.
6.	Demonstration of Gel electrophoresis.
7.	Demonstration and comparison of genetically modified plants.(Bt Cotton, Bt Brinjal and Bt, Tomato)

CO 1: V semester P-II : GENETICS & PLANT BREEDING

CO 1	On completion of this course, the successful students will be able to:
1.	Mendel's laws through seed ratios. Laboratory exercises in probability and chisquare.
2.	Chromosome mapping using point test cross data.
3.	Develop an expertise in solving out the genetic problems.
4.	Incomplete dominance and gene interaction through seed ratios (9:7, 9:6:1, 13:3, 15:1, 12:3:1, 9:3:4).
5.	Hybridization techniques - Emasculation, Bagging (For demonstration only).
6.	Induction of polyploidy conditions in plants (For demonstration only).
7.	Carry out the hybridization experiments.

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CO 7: VI semester P-I : ANALYTICAL TECHNIQES IN PLANTS.

CO 1	On completion of this course, the successful students will be able to:
1.	To separate Amino acids by paper chromatography & to separate chlorophyll pigments by paper chromatography.
2.	Acquire knowledge of tools and techniques of genetic engineering.
3.	Familiar with modern concepts of genomics: jumping genes, mutant genes, nuclear and extra nuclear genes.
4.	Gain knowledge of application of polymerization chain reaction (PCR) in genomic and transcriptomic studies, its importance in molecular science: modern science.
5.	Different types of centrifugation techniques are introduced.
6.	Study of molecular techniques: PCR and Blotting techniques & Demonstration of Gel electrophoresis.

CO 8: VI semester P-II : BIOFERTILIZERS and ORGANIC FARMING.

CO 1	On completion of this course, the successful students will be able to:
1.	Different techniques of organing farming were introduced.
2.	Isolation of cyanobacteria Fungi Bacteria from soil. (only demonstration).
3.	Study of Azolla & specific characteisation of Anabena Azolle.
4.	Isolation and culture of Rhizobium and Algae (only demonstration).
5.	Compost preparation like Green manure,Vermicoposting techniqueas were introduced.
6.	Estimation of mineral content will carry out by using organic compost.

HEAD OF THE DEPARTMENT
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E-Mail: aasesky@rediffmail.com
www.sstpsnk.edu.in

DEPARTMENT OF CHEMISTRY

Under Graduate program in B.Sc Chemistry

Programme Specific Outcomes (PSOs)

- Curriculum is the heart of any educational system. At the end of the graduation, it is expected that programme specific learning outcome and academic standards that are expected to be attained by graduates of programme of study and holder of a qualification.
- Students will acquire the knowledge in Chemistry B.Sc programme. They can understand the basic concepts of chemistry and its application.
- Students will get the exposures of experimental techniques by using different analytical instruments. Understand the importance of the periodic table of the elements in day to day life and their chemical and biological pathways within the body system.
- Students can develop the laboratory skills needed to design, safely interpret chemical research such as drug designing, purification of natural and synthetic compounds etc., Achieve the skills required to succeed in graduate school, professional school and the various pharmaceutical industries.
- Students will be able to realize the comprehensive knowledge and understanding of major concepts, theoretical principles and experimental findings in chemistry and its different subfields (analytical, inorganic, organic and physical), and other related fields of study, including broader interdisciplinary subfields such as life science, environmental science and material sciences;
- The graduate attributes reflect disciplinary knowledge and understanding, generic skills, including global competencies that all students in different academic fields of study should acquire or attain and demonstrate.

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DEPARTMENT OF CHEMISTRY

PROGRAM OUTCOME

1. To understand the basic facts and concepts in Chemistry and trying to apply them in realizing the natural process.
2. To understand the importance of Chemistry in daily life.
3. To develop and applying the analytical skills and critical thinking skills for solving the day-to-day problems through green chemical approach
4. To develop the cognitive skills for the better understanding and reasoning of structural activity relationships.
5. To skill-up for the qualitative and quantitative basic analytical tools in troubleshooting the problems
6. To skill-up the various experimental techniques and laboratory SOP that are used in the pharmacy and chemical industries
7. To develop not only the research culture but also the work culture in handling the various situations in their life.
8. To be familiar with the instrumental techniques that are used in most of the common laboratories
9. Achieve the skills required to succeed in graduate school, professional school and the chemical industry like cement industries, agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc.
10. To be familiar with the green chemistry approach for minimizing or avoiding the production hazardous waste or converting them in to recycling environmental friendly materials

S.S. Arts College & T.P. Science Institute SANKESHWAR. 591313

COURSE OUTCOME:

B.Sc. I Semester

After successful completion of three year degree program in Chemistry a student should be able to;

1. Describe the dual nature of radiation and matter; dual behaviour of matter and radiation, de Broglie's equations, Heisenberg Uncertainty principle and their related problems.

2. Electronic configurations of the atoms.

3. Define periodicity, explain the cause of periodicity in properties, and classify the elements into four categories according to their electronic configuration.

4. Define atomic radii, ionisation energy, electron affinity and electronegativity, discuss the factors affecting atomic radii, describe the relationship of atomic radii with ionisation energy and electron affinity, describe the periodicity in atomic radii, ionization energy, electron affinity and electronegativity. 5. Explain bond properties, electron displacement effects (inductive effect, electrometric effect, resonance effect and Hyper conjugation effect). Steric effect and their applications in explaining acidic strength of carboxylic acids, basicity of amines.

6. Understand basic concept of organic reaction mechanism, types of organic reactions, structure, stability and reactivity of reactive intermediates.

7. Describe important characteristics of configurationally and conformational isomers. Practice and write conformational isomers of ethane, butane and cyclohexane.

8. Understand the various concepts of geometrical isomerism and optical isomerism. Describe CIP rules to assign E,Z notations and R& S notations. Explain D and L configuration and threo and erythro nomenclature.

9. Explain racemic mixture and racemisation, resolution of racemic mixture through mechanical separation, formation of diastereomers, and biochemical methods, biological significance of chirality. 10. Explain the existence of different states of matter in terms of balance between intermolecular forces and thermal energy of the particles. Explain the laws governing behavior of ideal gases and real gases. Understand cooling effect of gas on adiabatic expansion.

11. Describe the conditions required for liquefaction of gases. Realise that there is continuity in gaseous and liquid state.

12. Explain properties of liquids in terms of intermolecular attractions.

13. Understand principles of titrimetric analysis.

14. Understand principles of different type's titrations. Titration curves for all types of acids – base titrations.

15. Gain knowledge about balancing redox equations, titration curves, theory of redox indicators and applications.

16. Understand titration curves, indicators for precipitation titrations involving silver nitrate-Volhard's and Mohr's methods and their differences.

17. Indicators for EDTA titrations - theory of metal ion indicators. Determination of hardness of water.

CHEMISTRY LAB (Inorganic and Organic Analyses)

After studying this course and performing the experiments set in it student will be able to:

1. Understand and practice the calibration of glasswares (burette, pipette, volumetric flask).

2. Basic concepts involved in titrimetric analysis, primary standard substances, preparation of standard solutions.

3. Explain the principles of acid-base, redox and iodometric titrations.

4. Work out the stoichiometric relations based on the reactions involved in the titrimetric analysis.

5. Based on principles of titrimetric analysis student can perform

6. Describe the significance of organic quantitative analysis.

7. Determine the amount of phenol, aniline, amide, ester and formaldehyde in a given solution by performing blank titration and main titrations. 8. Determine aspirin in the tablet by hydrolysis method.

Open Elective (OE-1): CHEMISTRY IN DAILY LIFE

On completion of the course students will be able to:

- Understand the chemical constituents in various day today materials using by a common man.
- Understand the chemical constituents in fertilizers, insecticides and pesticides, chemical explosives etc.
- Understand the chemical constituents in polymers, surface coatings etc.

B.Sc II Semester

Course outcome:

Unit I: Chemical Energetics and Ionic Equilibria - I

The aim of this course is to make students understand thermodynamic concepts, properties of thermodynamic systems, laws of thermodynamics and their correlation with other branches of physical chemistry and make them able to apply thermodynamic concepts to the system of variable compositions and equilibrium.

Unit II: Ionic Equilibria – II and Chemiscal Equilibria

Describe the properties of chemical equilibrium and be able to write the equilibrium constant expression (Kc or Kp for gaseous reactions) for a balanced chemical equation. Given a chemical reaction and its equilibrium constant, determine the new equilibrium constant when the reaction has been reversed, multiplied by a constant, or added to another reaction. Interpret the magnitude of K and what this tells you about the composition of the equilibrium mixture.

Unit III: Spectroscopy, Alkyl and Aryl Halides

Able to describe UV Spectroscopy and Beer's law. Different types of electronic excitations and various terms used in UV spectroscopy and effect of conjugation on UV. Identify and draw the structures alkyl / aryl halides from their names or from structure name can be assigned. Explain / discuss synthesis of alkyl / aryl halides.

Unit IV: Aldehydes and Ketones, Carboxylic Acids, Ethers and Epoxides

After studying the aldehydes, ketones and carboxylic acids student will able to identify and draw the structures aldehydes and ketones from their names or from structure name can be assigned. Explain/discuss synthesis of aldehydes, write / discuss the mechanism reactions aldehydes and ketones. Explain /Discuss important reactions of aldehydes and ketones. To correlate reagent and reactions of aldehydes and ketones. Synthesis of carboxylic acids and their derivatives. Write / discuss the mechanism reactions carboxylic acids and their derivatives. Explain /Discuss important reactions of carboxylic acids and their derivatives. Correlate reagent and reactions of carboxylic acids and their derivatives. Give synthesis of expected carboxylic acids and their derivatives.

BSc II Sem

Open Elective Course-Chemistry

Paper: Molecules of Life

Course Outcome:

After studying this paper the student would be able to

1. Acquire knowledge about different types of sugars and their chemical structures.
2. Identify different types of amino acids and determine the structure of peptides.
3. Explain the actions of enzymes in our body and interpret enzyme inhibition.
4. Predict action of drugs. Depict the biological importance of oils and fats. Importance of lipids in the metabolism Differentiate RNA and DNA and their replication. Explain production of energy in our body.

BSc III Semester

After the completion of this course, the student would be able to

1. Understand the importance of fundamental law and validation parameters in chemical analysis

2. Know how different analytes in different matrices (water and real samples) can be determined by spectrophotometric nephelometric and turbidometric methods.

3. Understand the requirement for chemical analysis by paper, thin layer and column chromatography. 4. Apply solvent extraction method for quantitative determination of metal ions in different samples

5. Utilize the ion-exchange chromatography for domestic and industrial applications

6. Explain mechanism for a given reaction.

7. Predict the probable mechanism for a reaction. explain the importance of reaction intermediates, its role and techniques of generating such intermediates

8. Explain the importance of Stereochemistry in predicting the structure and property of organic molecules.

9. Predict the configuration of an organic molecule and able to designate it. 10. Identify the chiral molecules and predict its actual configuration

Practical: Course outcomes

After the completion of this course, the student would be able to

1) Understand the importance of instrumental methods for quantitative applications Apply colorimetric methods for accurate determination of metal ions and anions in water or real samples

2) Understand how functional groups in a compound is responsible for its characteristic property

3) Learn the importance of qualitative tests in identifying functional groups.

4) Learn how to prepare a derivative for particular functional groups and how to purify it.

Open Elective: Fuel Chemistry and Environmental Chemistry

Course outcomes

Upon completion of the course students will be able to

1. Understand the concept of fuels, and their classifications.

2. Learn the different types of fuels and their applications.

3. Know the different types of pollution and their prevention .

BSc IV Semester

Course outcomes: After the completion of this course, the student would be able to

1. Predict the nature of the bond formed between different elements
2. Identify the possible type of arrangements of ions in ionic compounds
3. Write Born-Haber cycle for different ionic compounds
4. Relate different energy parameters like, lattice energy, entropy, enthalpy and solvation energy in the dissolution of ionic solids
5. Explain covalent nature in ionic compounds
6. Write the M.O. energy diagrams for simple molecules
7. Differentiate bonding in metals from their compounds
8. Learn important laws of thermodynamics and their applications to various thermodynamic systems
9. Understand adsorption processes and their mechanisms and the function and purpose of a catalyst. 10. Apply adsorption as a versatile method for waste water purification.
11. Understand the concept of rate of a chemical reaction, integrated rate equations, energy of activation and determination of order of a reaction based on experimental data
12. Know different types of electrolytes, usefulness of conductance and ionic mobility measurements 13. Determine the transport numbers

Practicals:

Course outcomes:

At the end of the course student would be able to

1. Understand the chemical reactions involved in the detection of cations and anions.
2. Explain basic principles involved in classification of ions into groups in semi-micro qualitative analysis of salt mixture
3. Carry out the separation of cations into groups and understand the concept of common ion effect.
4. Understand the choice of group reagents used in the analysis.
5. Analyse a simple inorganic salt mixture containing two anions and cations
6. Use instruments like conductivity meter to obtain various physicochemical parameters.
7. Apply the theory about chemical kinetics and determine the velocity constants of various reactions.

BSc Chemistry-Semester V

Course Objectives:

Students learn about

1. General group trends of d and f block elements
2. Valence Bond Theory (VBT) and Structural and stereoisomerism in coordination complexes
3. Classification and synthesis of Heterocyclic compounds
4. Sources, classification and general characteristics of Alkaloids
5. Principles of green chemistry
6. Selection rules, energy levels and respective transitions in molecular spectroscopy
7. Overview of nanostructures and nanomaterials and polymers

Course outcomes:

After the completion of this course, the student would be able to

1. Predict the Electronic configurations, oxidation states, colour, and magnetic properties of d and f block elements
2. Identify the possible types of inner and outer orbital complexes with coordination numbers 4 and 6
3. Write molecular orbital picture and Aromatic character of heterocyclic compounds
4. Write the constitution of Coniine, hygrine and nicotine
5. Appreciate the need for green chemistry and eco-efficiency
6. Identify the selection rules for electronic, vibrational and rotational spectra
7. Elucidate the Properties of Polymers and nanomaterials

BSc Chemistry-Semester VI

Course Objectives:

Students learn about

1. Industrial Chemistry of alloys, abrasives, glass, cement and fuels
2. Preparation, mechanism of action and applications of various reagents
3. Classification, colour constitution and synthesis of dyes.
4. Electrochemistry – EMF and Batteries and Fuel Cells
5. Applications of IR, UV-Vis and mass spectrometry in organic chemistry

Course outcomes:

After the completion of this course, the student would be able to

1. Write the manufacture and application of alloys, abrasives, glass, cement and fuels
2. Preparation, mechanism of action and applications of various reagents like DCC, DDQ, LTA, NBS, PCC
3. Write the synthesis of various dyes
4. Write the types of electrodes, sign conventions and applications of EMF measurements
5. Understand construction and applications of batteries and fuel cells
6. Identify the molecules using the data from IR, UV-Vis and mass spectrometry

Head of The
Chemistry Department

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SANKESHWAR

Estd: 1967

(08333) : 273316
Fax: (08333) : 274206

S.D.V.S. Sangh's
S.S. Arts College & T.P. Science Institute
Sankeshwar – 591313. Dist. Belgaum (Karnataka)
Accredited at "B++" Level by NAAC

E-Mail: aasesky@rediffmail.com
www.sstpsnk.edu.in

DEPARTMENT OF CHEMISTRY

PROGRAM OUTCOME

1. To understand the basic facts and concepts in Chemistry and trying to apply them in realizing the natural process.
2. To understand the importance of Chemistry in daily life.
3. To develop and applying the analytical skills and critical thinking skills for solving the day-to-day problems through green chemical approach
4. To develop the cognitive skills for the better understanding and reasoning of structural activity relationships.
5. To skill-up for the qualitative and quantitative basic analytical tools in troubleshooting the problems
6. To skill-up the various experimental techniques and laboratory SOP that are used in the pharmacy and chemical industries
7. To develop not only the research culture but also the work culture in handling the various situations in their life.
8. To be familiar with the instrumental techniques that are used in most of the common laboratories
9. Achieve the skills required to succeed in graduate school, professional school and the chemical industry like cement industries, agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc.
10. To be familiar with the green chemistry approach for minimizing or avoiding the production hazardous waste or converting them in to recycling environmental friendly materials

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Head of the
Chemistry Department

8. Learn about the reaction mechanisms.

9. Interpret the behaviour of interfaces, the phenomena of physisorption and chemisorptions and their applications in chemical and industrial processes.

10. Learn to fit experimental data with theoretical models and interpret the data

Open Elective: Electrochemistry, Corrosion and Metallurgy

Upon completion of the course students will be able to

1. Understand the concept of conductance in electrolytic solutions, electrolysis and redox reactions involved in electrode reactions.

2. Learn the different types of electrochemical cells, their symbolical representation and application of electrochemical series.

3. Apply conductometric, potentiometric and pH titrations

4. Know the principle, construction and working of batteries

5. Understand different types of corrosion and its prevention by different methods 6. Learn the methods of extraction of metals from their ores and purification

BSc V semester P-I

Inorganic chemistry

Coordination Chemistry-I, Thermogravimetric analysis, Inorganic polymers, Green Chemistry

1. Understand the key features of coordination compounds, including the variety of structures, oxidation numbers and electronic configurations, coordination numbers, ligands, chelates, bonding, stability of complexes. Able to recognize the types of isomers in coordination compounds.
2. The basics of gravimetric analysis that involve preparing, collecting, treating, and weighing a precipitate and the use of a gravimetric factor in calculations.
3. Define Inorganic polymer, list their properties and classify inorganic polymers. Recognize the difference between organic polymers and inorganic polymers. Recognize Phosphorus, Phosphorus-nitrogen compounds and polymers, interpret synthetic methods and their application areas.
4. Students learn the basic principles of green and sustainable chemistry.

Organic chemistry

Heterocyclic Compounds, Organic Synthesis via enolates, Alkaloids

1. This course aims at providing theoretical understanding of heterocyclic for ring synthesis and application of those methods for the preparation of specific groups of heterocyclic systems. The students will be made familiar with particular properties, reactions, and applications of heterocycles.
2. Know how to use the enol tautomer of a ketone as a nucleophile; Able to choose an appropriate base to form an enolate and relate this choice to the pKa value of the α-C–H in the carbonyl compound; To form boron and lithium enolates and silyl enol ethers stereo- and regioselectively; Able to use the aldol reaction in the stereoselective synthesis of β-hydroxy ketones.
3. The significance of alkaloids, classification of alkaloids and importance of some notable alkaloids.

Physical chemistry

Microwave spectroscopy, Phase rule, Vibrational Spectrum

1. Students learn the Microwave rotational spectroscopy to measure the energies of rotational transitions for molecules in the gas phase during the interaction of electric dipole moment of the molecules with the exciting microwave photon.
2. Define the importance of Phase Diagrams. Explains the basic definitions and terms in a phase diagram. Defines phase, equilibrium, component, degree of freedom and phase rule concepts.
3. Able to know different types of molecular vibrations, Discuss the classical treatment on vibration of single as well as two particles system. Apply Schrödinger equation to Harmonic oscillator and derive quantized vibrational energy levels. Derive vibrational energies of diatomic molecules. Know about zero point energy, force constant & bond strength.

BSc V Semester P-II

Course outcomes:

Inorganic Chemistry

Industrial Chemistry-I, Industrial Chemistry-II

1. Industrial Chemistry is designed to provide graduates with the skills, knowledge and learning tools required to carry out professional research, and development and production activities in the field of chemistry.
2. Applications of various chemical components in the field of industrial chemistry.

Organic chemistry

Reagents and Reactions, Mass Spectroscopy, Dyes

1. From this course the students will learn about the nomenclature, structure, bonding and chemical reactions in presence of various reagents.
2. Able to analyze and quantify samples, and to elucidate the atomic and molecular identities of compounds present in complex mixtures.
3. Students will learn to classify various natural dye materials according to their different characteristics.

Physical chemistry

Surface Chemistry, Chemical equilibrium, Kinetics of chain reactions

1. Explain adsorption process and its mechanisms on the surfaces. How to catalyst alter new path for chemical reactions.
2. Describe the properties of chemical equilibrium and be able to write the equilibrium constant expression (Kc or Kp for gaseous reactions) for a balanced chemical equation
3. Describe and predict the speed at which the chemical species transform into new substances by breaking and reforming their molecular bonds.

BSc VI semester P-I

Course outcomes:

Inorganic Chemistry

Coordination compounds –II, Metal-ligand Equilibria, Organometallic Chemistry

1. This paper is an advanced study on theories and applications such as CFT, MOT, molecular symmetry and magneto-chemistry.
2. Know about the thermodynamic stability of the complex. Learn the stepwise formation of complex and stability constant. Identify the trends in stepwise formation constants. Evaluate the factors affecting the stability of complexes.
3. Have a good overview of the fundamental principles of organotransition-metal chemistry and know how chemical properties are affected by metals and ligands.
4. Able to use knowledge about structure and bonding issues to understand the stability and reactivity of simple organometallic complexes. Have insight into the use of modern methods to characterize organometallic compounds.

Organic Chemistry

Carbohydrates, Vitamins and Harmones, Amino acids, Peptides and Proteins, Terpenoids

1. Use Fisher projections to represent the structures of D- and L-sugars. Convert between Fisher projections and Haworth representations. Identify the anomeric carbon atom in cyclic saccharides. Predict the products of oxidation and reduction of sugars. Predict the products of hydrolysis of disaccharides and polysaccharides.
2. List and explain the vitamins essential to the healthy functioning of the human body and identify foods that contain vitamins that are needed daily. Understand the chemical components responsible for the functioning of body's processes, like hunger, blood pressure, and sexual desire. Similarly with respect to hormones those are essential to reproduction, undamental to all the systems of your body.
3. Predict whether the acid and amine groups in amino acids will be protonated at different pH values. Predict the pI of amino acids and simple peptides. Describe the primary, secondary, tertiary and quaternary structure of proteins
4. Students will able to have a thorough knowledge on the chemistry of terpenoids. Have the theoretical background on the preparation of essential oils and have the basic knowledge for the analysis of their chemical composition.

Physical Chemistry

Electronic Spectrum, Physical properties and molecular structure, Polymers, Quantum Chemistry

1. Transition moments, assignment of electronic transitions of N_2, H_2O and formaldehyde using group theory, fluorescence and phosphorescence, ESCA, PES, AUGER techniques.
2. It helps to think of physical changes as those involving changes that don't change the makeup of the substance, while chemical changes are those that create a new substance.
3. Describe the role of rubber-toughening in improving the mechanical properties of polymers identify the repeat units of particular polymers and specify the isomeric structures which can exist for those repeat units.
4. Estimate the number- and weight-average molecular masses of polymer samples given the degree of polymerisation and mass fraction of chains present. Differentiate between natural and man-made polymers. Explain polymerization methods.
5. Able to solve the problems related to 1D box. Explain role of operators in quantum. Solve problems of Carnot cycle. Solve questions based on rates of different reactions.

BSc VI Semester P-II

Course outcomes:

Inorganic Chemistry

Chromatography, Flame photometry, Thermogravimetry, Electrogravimetry, Soil Analysis Electronic spectra of transition metal complexes

1. Chromatography is a method used by scientists for separating organic and inorganic compounds so that they can be analyzed and studied. By analyzing a compound, a scientist can figure out what makes up that compound.
2. Soil is analyzed to determine its ability to supply the necessary plant nutrients to the crop concerned. Soil analyses are related to potential nutrient uptake, supplementation of plant nutrients through fertilization and the target yield.
3. Describe bonding models that can be applied to a consideration of the properties of transition metal compounds.
4. The students will be familiar about the inorganic halogen compounds, coordination compounds and transition elements.
5. Able to explain and understand the meaning of Chemotherapic reatment. Chemo drugs attack rapidly dividing cells, such as cancer cells, throughout the body. It's also important to know that chemo drugs can destroy healthy cells too because traditional chemotherapy does not specifically only target cancer cells.
6. The students will be able to understand the cleaning mechanism of soaps by exploring the concept of "like dissolving like". Able to differentiate between different types of soaps based on properties like lather formation and cleaning effect.

Organic Chemistry

Chemotherapy, Soaps and Detergents, Reaction Mechanism, NMR Spectroscopy

1. Able to recognize effect of different groups on ring. Describe the mechanism of different rearrangement reactions. Practically found different groups present in different organic compounds. Explain reactivity of different carbonyl compounds.
2. Know how nuclear spins are affected by a magnetic field, and be able to explain what happens when radiofrequency radiation is absorbed. Predict the number of proton and carbon NMR signals expected from a compound and splitting pattern in the proton NMR spectrum of a given compound.

Physical Chemistry

Electro motive force, Photochemistry

1. Define liquid junction potential and describe its development; derive expressions for the emf of concentration cells with and without transference. Explain different methods of pH determination using emf measurement. Describe the construction of glass electrode and explain the principle of its working. Define potentiometric titration and draw a schematic graph of a redox potentiometric titration. Discuss the differences between voltaic and electrolytic cells.
2. Understand the basics of Photochemistry such as Beer Lambert's Law, Einstein Law, Concept of potential Energy curves, Frank condon Principle, Jablonski diagram, Florescence and phosphorescence photochemical and photosensitized reactions and quantum yield.

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DEPARTMENT OF POLITICAL SCIENCE

PROGRAMME OUTCOMES

1) Acquire domain knowledge.
2) Study and analyse political contexts from critical and constructive prospective.
3) Have a better understanding of the working of various political institutions including Decentralized institutions state legislatures and parliament and relate this functioning To the greater cause of nation building as a responsible citizen.
4) Assess how global national and regional development affect polity and society.
5) To gain critical thinking and develop the ability to make logical inferences about Socio-economic and political issues, on the basis of comparative and Contemporary Political discourses in India.
6) Contemplate about national and international issues involving States having different Political ideologies and historical contexts.
7) Pursue higher education such as Post Graduate Studies and Research in Political Science and in other inter disciplinary areas to provide qualitative insights to create a Better world.

Semester I

BASIC CONCEPTS IN POLITICAL SCIENCE

DSC-1

COURSE OUTCOMES

1. Political Science, theoretically and will gain knowledge to explain and analyse politics at large.
2. The dynamics of politics.
3. To inculcate the democratic spirit.

POLITICAL THEORY

DSC-2

COURSE OUTCOMES

1) The nature and relevance of Political Theory.
2) The different concepts like Liberty, Equality, Justice and Rights.
3) To reflect upon some of the important debates in Political Theory.

HUMAN RIGHTS

Open Elective OE-1

COURSE OUTCOMES

1. Explain the basic concept of Human Rights and its various formulations.
2. Have necessary knowledge and skills for analysing, interpreting, and applying the Human Rights standards and sensitize them to the issues.

3. Develop ability to critically analyse Human Rights situations around them.

Semester II

WESTERN POLITICAL THOUGHT

DSC-3

COURSE OUTCOMES

1. And get an introduction to the Schools of Political Thought and Theory making in the West.
2. And introduce the richness and variations in the political perceptions of Western Thinkers.
3. And familiarize themselves to the Thought and Theory of Western Philosophy

INDIAN NATIONAL MOVEMENT AND CONSTITUTIONAL DEVELOPMENT

DSC-4

COURSE OUTCOMES

1. Understand how the colonial rule was overthrown by the Indian nationalists.
2. Appreciate the ideals and values of Gandhi that resulted in freedom.
3. Examine the problem of Independent India and the role played by great leaders in solving them.

INDIAN POLITY: ISSUES AND CONCERNS

Open Elective OE-2

COURSE OUTCOMES

1. Understand the reasons behind the causes of these issues and also the constitutional provisions that existed.

2. Familiarize with the debates that emerged.
3. Be able to suggest the measures to control such issues.

DSC-5

Course Title: INDIAN GOVERNMENT AND POLITICS

Course Outcome:

At the end of the course the students shall -

1. Learn how the governments both at the union as well state level operates and what are its challenges.
2. Understand the characteristics of power structures in India and the response of the political parties to the socio-political dynamics.
3. Measure and understand the effects of judicial decisions on policy making and social development in India.

DSC 6

Course Title: PARLIAMENTARY PROCEDURES IN INDIA

Course Outcome:

At the end of the course the students shall -

1. Aim at understanding the procedural aspects of parliamentary system of governments.
2. Learn about the privileges of people's representatives and match it with their performance.
3. Understand the working of committees, budgetary aspects and deliberative mechanism within the parliament.

Open Elective – OE- 3.2

Course Title: UNDERSTANDING GANDHI

At the end of the course the students shall -

1. Be able to explain the idea of truth and non-violence which is the foundation of
2. Gandhian Philosophy.
3. Know the position of Gandhi on issues like Hindu- Muslim relations, gender question, cow protection, caste and untouchability questions.
4. Answer his reason for his choice of Swadeshi and his critique of modern Civilization.

DSC 7

Course Title: ANCIENT INDIAN POLITICAL IDEAS AND INSTITUTIONS

Learning Outcome:

At the end of the course the students shall -

1. Reflect on the native concepts like Dharma, Rajadharma, Nyaya, Viveka etc., in the light of their modern connotations.
2. Understand the role of texts and stories in the Indian context by reflecting upon our own experiences.
3. Revisit our own socio-political structures through the textual and non-textual sources from the early Indian period in order to quell the European representation of Indian Society and heritage.

DSC 8

Course Title: MODERN POLITICAL ANALYSIS

At the end of the course the students shall -

1. Understand the key concepts of Political Institutional working and science within them.
2. Be familiar with the Phenomenon of politics and various explanations relating to the influences that mould the decision making process.

3. This paper acquaints the students to essential strands of socio-political principles and mechanisms of good governance
4. making students being equipped with necessary potentials required for leading a secured life.

Political Science Optional

B.A. –VI Semester

Paper VI – (Compulsory)

Indian Government and Politics

1. Knowledge about the Constitution of India in its structural and functional aspect.
2. Various features and trends of Party System
3. Functions of Union and state governments
4. Power functions of High court and supreme court

Political Science Optional

B.A. –VI Semester

Paper VI(A)– (Optional)

Local Government in India

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1. Knowledgebase for strengthening Local Government Institutions in India.
2. Students will be skilled towards realizing local economic development and social justice.
3. Various amendments of Administrative Empowerment

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Political Science

V and VI Semester (NEP)

Outcomes

At the end of the course the students shall understand -

1. International Relations-Concepts and Perspectives
2. Comparative Government and Politics
3. Karnataka Government and Politics
4. Theoretical aspects of International Relations
5. Public Policy Analysis
6. Modern Indian Political Thinkers
7. Internship/Project

As a result of the internship experience students will be able to:

1. Apply appropriate workplace behaviors in a professional setting.

2. Demonstrate content knowledge appropriate to job assignment.

3. Exhibit evidence of increased content knowledge gained through practical experience.

4. Describe the nature and function of the organization in which the internship experience takes place.

5. Explain how the internship placement site fits into their broader career field.

6. Evaluate the internship experience in terms of their personal, educational and career needs.

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