GOVERNMENT DEGREE COLLEGE

CHANCHALGUDA, HYDERABAD TELANGANA-500024

(AFFILIATED TO OSMANIA UNIVERSITY)

COURSE OUTCOMES

(COs)

DEPARTMENT OF ENGLISH

Semester -I

Course code :ENG101

Course Outcomes:

After completion of the course a student is able to

CO1. To understand the varieties of cultures, languages, poetic diction, use of language, imagery, etc., through exposure to various Poems, Essays, Short Stories, and One Act Plays.
CO2. To acquire the knowledge of language skills, poetic diction, vocabulary, dialogue writing, etc.
CO3. To read and appreciate the prescribed literary selections for pleasure, and to analyze and interpret the given poem, essay, short stories for narrative technique and moral behind them
CO4. To apply the acquired knowledge of grammar and vocabulary to the real time situations through practice of conversation, essay writing and exercises.
CO5. Students would understand different sounds, nuances and their proper enunciation in English Language
CO6. Student would be able to speak and write grammatically correct sentences on learning all parts of grammar and tenses
CO7. Students would be able to understand the root words, their origin, prefixes, suffixes, homophones, Homographs, Homonyms and their meanings.
CO8. Students would be able to identify commonly miss-spelt words and would be able to formulate new words using prefixes such as, un-, dis-, and suffixes like, -ment, -tion,-sion,etc.
CO9. Students would be able to learn right usage of punctuation marks like, Capitalization, Full stops, Comma, in a sentence
CO10. Students learn to start and sustain a formal conversation. They would be capable to describe their course of study and would also be able to leave a voicemail or make an appointment over phone.
CO11. Students would enhance their reading competence by reading about some of the historical incidents and inspirational people
CO12. Students develop their creative writing skills through précis writing and dialogue writing
CO13. This helps to build self confidence and would enable the student to speak confidently in any official or unofficial conversations.
CO14. Students would be able to develop a positive mindset by knowing about themselves, their strengths and the points they could develop for a successful life

Semester- II

course code :ENG 201

Course Outcomes:

After completion of the course a student is able to

CO1. To understand the varieties of cultures, languages, poetic diction, use of language, imagery, etc., through exposure to various Poems, Essays, Short Stories, and One Act Plays.
CO2. To acquire the knowledge of language skills, poetic diction, vocabulary, dialogue writing, etc.
CO3. To Understand and appreciate the musical quality given by meter, rhyme and rhythm in poetry and the idiomatic expressions in prose sections
C04. To apply the acquired knowledge of grammar and vocabulary to the real time situations through practice of conversation, essay writing and exercises.
C05. Students would understand different Affricate sounds, Plosive sounds, Approximant sounds & their proper enunciation in English Language
C06. Student would be able to speak and write grammatically correct sentences on learning all parts of grammar and tenses
CO7. To develop reading, writing and comprehension skills apart from the vocabulary and usage.
CO8. Students would be able to identify commonly miss-spelt words and would be able to formulate new words using suffixes like, -ment, -al,-ance,-ence, -able,-ible, etc.
CO9. Students would be able to learn right usage of punctuation marks like, Hyphen, Em-dash, in a sentence
CO10. Student learns to start and sustain a formal conversation. They would be capable to describe their course of study and would also be able to leave a voicemail or make an appointment over phone.
CO11. To analyze and interpret the socio-cultural aspects based on the prescribed prose texts
CO12. To acquire the knowledge of business writing skills like note making, formal letters and informal letters.
CO13. This helps to build leadership skills and also helps in the overall etiquette building& grooming of the students
CO14. Student would be able to develop a positive mindset by knowing about themselves, their strengths and the points they could develop for a successful life

Semester- III

course code :ENG 301

Course Outcomes:

After completion of the course a student is able to

CO1. To Understand and appreciate the musical quality given by meter, rhyme and rhythm in poetry of Indian and World Poets

CO2. Students would also be able to get a glimpse of colonial literature.

CO3. Students would get a brief idea of the some of the technical terms of business English, their antonyms, synonyms. They also would be able to use right usage of idioms.

CO4. The advanced grammar like the concord and connectives further enriches the students' usage of English.

CO5. Students would be able to present their opinions and ideas more effectively by learning writing techniques like, Discursive essay method and Argumentative essay method.

Semester- IV

course code :ENG401

Course Outcomes:

After completion of the course a student is able to

CO1. To Understand and appreciate the musical quality given by meter, rhyme and rhythm in poetry of Indian and World Poets

CO2. Students would also be able to get a glimpse of colonial literature.

CO3. Students would get a brief idea of the some of the technical terms of business English, their antonyms, synonyms. They also would be able to use right usage of idioms.

CO4. The advanced grammar like the Reported Speech and Voice helps the students to present their opinions more effectively

CO5. Students would become more office ready by learning to write Business reports and media reports

Semester- III

Skill Enhancement Course (SEC)

course code :SEC/ENG301

Course Outcomes:

After completion of the course a student is able to

CO1. To understand the various elements of poetry such as diction, tone, genre, imagery, figures of speech, symbolism, theme and other stylistics

CO2. To be able to locate grammar in Prose, to develop prose style, and to understand the difference between the formal and the informal

CO3. To be able to understand and use the techniques of Report Writing: Business Reports and Media Reports

CO4. To be able to use the Idioms, phrases, one word substitutions, synonyms and Antonyms and other vocabulary related elements in writing essays and oral communication

DEPARTMENT OF HINDI

SEMESTER – I

course code : HIN 101
Course Outcome

After successful completion of the course,students willbeableto;

CO 1 : Understanding to built good character and develop a good personality for Youth has been explained by Dr. Babu Gulab Rai in "Uthsaa" and "CharithriNirman"

CO 2 : Understanding the story "Bhabhi" written by Mahadevi Varma context ofWidowproblems and her struggle for independence in present society.

CO 3 : Understanding the vision of Premchand about middle class and Dalit problem in the story "Sadgathi"

CO 4: Understanding the change in content and style of expression in short stories in different periods through the stories of Premchand,Ramchandra Shukla, Gulab Rai, Dinakar,MohanRakesh, HariShankar Persayee, Usha Priyamvada, Mamta Kaliya.

CO5: Understanding The Cultural Consciousness ofRamdhariSinghDinkariin"BharathmeSanskritisangam" .

CO 6 : Understanding the mythological as well as aesthetic aspect of nation in "Rastra kaSwaroop"throughVasudev Sharma.

CO 7 : Understanding the responsibilities and to fulfill their duties without supporting parents through the story"Chota Jadugar"by Shankar Prasad.

CO 8 : Describing the dual nature of modern people in present era by Vinayak Rao in history "HasuyaRovoo"and BheeshmSahani'story"Chef Ki Dawaat"

CO 9 : Understanding the struggle and failure of middle class people by Amar kanth in his story"Deputy Collector"

CO 10 : Understanding the importance of environmental protection through"Paryavaran Aur Pradushan"byRajivGarg.

CO 11 : Understanding the social consciousness of human values, Personalitydevelopment, Duties towards society and responsibilities towards nation through their short stories of Pream Chand, Gulab Rai, Ramchandra Shukle, Mohan Rakesh, UshaPriyamvada,Susheela Tagbo

SEMESTER – II

COURSE CODE : HIN 201
COURSE OUTCOME

1. In the story “Taayee” written by “Vishwanath Sharma” students come to the problems of a women who is suffering from Infertility problem , every woman dreams to become mother, even though he doesn’t become mother she shows all her love and affection towards the children of her sister in law, this story proves that every woman's heart is filled with love.
2. In the lesson “Ande Ka Chilka” written by Mohan Rakesh students understand how people in the society act as hypocrites towards religion and show their false feelings towards religion and culture.
3. In the story “Rajniti Ka Batwara” written by “Harishankar Parsi” students comes to understand how own brothers from one house plays tricks in political parties by joining of each member separately in each parties for their selfishness and play game in politics and flutes the society.
4. In the lesson “Swami Vivekananda” written by Rajiv Garg” students come to know the life history of swami Vivekananda and his services towards society , and how youth can change the nation with their services.
5. In the lesson “Paryavaran Aur Hum” students understand how our nation is facing the problem of pollution and what are the sources to overcome these problems, and to keep our city clean and green.
6. In the lesson “Deputy Collector” students come to know the struggle and problems faced by low class people for a job , after hardworking they are unable to get the job and face financial problems in their life and their dream never comes true.
7. In the lesson “Hasu va Roo” students understand how people show their selfishness and see their benefit in other losses such as funeral rites and ask tips in those emotional places too.
8. “Waapasi” is the lesson in which students come to know the problems of retired man, who’s family members ignores him and treat as outsider, after 30 years when he goes home after retirement, seeing that the old man returns back the same way from where he came as he doesn’t find any love and affection in his own house and works in sugar factory.
9. ”Seva " is the lesson where students understand how today's youth are neglecting their own parents and thinking that they are a burden on them and this lesson teaches them that it is the duty of their children to look out for their parents in old age.
10. “Siliya” is the story of a brave girl who fights with the society against their behavior towards low caste people and proves that they are equal in the society, and one day she receives self respect and position in the society.

SEMESTER –III

COURSE CODE : HIN 301
COURSE OUTCOME

1. In the story “Taayee” written by “Vishwanath Sharma” students come to the problems of a women who is suffering from Infertility problem , every woman dreams to become mother, even though he doesn’t become mother she shows all her love and affection towards the children of her sister in law, this story proves that every woman's heart is filled with love.
2. In the lesson “Ande Ka Chilka” written by Mohan Rakesh students understand how people in the society act as hypocrites towards religion and show their false feelings towards religion and culture.
3. In the story “Rajniti Ka Batwara” written by “Harishankar Parsi” students comes to understand how own brothers from one house plays tricks in political parties by joining of each member separately in each parties for their selfishness and play game in politics and flutes the society.
4. In the lesson “Swami Vivekananda” written by Rajiv Garg” students comes to know the life history of swami Vivekananda and his services towards society , and how youth can change the nation with their services.
5. In the lesson “Paryavaran Aur Hum” students understand how our nation is facing the problem of pollution and what are the sources to overcome these problems, and to keep our city clean and green.
6. In the lesson “Deputy Collector” students come to know the struggle and problems faced by low class people for a job , after hard work they are unable to get the job and face financial problems in their life and their dream never comes true.
7. In the lesson “Hasu va Roo” students understand how people show their selfishness and see their benefit in other losses in funeral rites and ask tip in those emotional places too.
8. “Waapasi” is the lesson in which students come to know the problems of retired man, who’s family members ignores him and treat as outsider, after 30 years when he goes home after retirement, seeing that the old man returns back the same way from where he came as he doesn’t find any love and affection in his own house and works in sugar factory.
9. ”Seva " is the lesson where students understand how today's youth are neglecting their own parents and thinking that they are a burden on them and this lesson teaches them that it is the duty of their children to look out for their parents in old age.
10. “Siliya” is the story of a brave girl who fights with the society against their behavior towards low caste people and proves that they are equal in the society, and one day she receives self respect and position in the society.

SEMESTER –IV

COURSE CODE : HIN4 01
COURSE OUTCOME

After successful completion of the course, students will be able to;

CO 1 : Understanding the origin of Hindi language and its literature.

CO2: Identifying The Dialects Of Hindi Language Family.

CO 3: Analyzing the development of Khariboli Hindi.

CO4: Understanding The concept of history of literature.

CO5: Understanding The Basis oftheclassificationofHindiliterature.

CO 6: Understanding the importance and basis of the names given to each period of Hindi Literature.

CO 7: Understanding the features of Adikal, Bhakti kal, Ritikal and Adhunikkal, in context of socio-cultural and political conditions of that period.

CO8: IdentifyingtheeminentHindiwriterof each period.

CO 9: Understanding the reason for the emergence of Four kaal (Adikal , Bhaktikaal,Ritikal, Adhnik Kaal) in Hindi literature.

CO 10: Understanding the literary trends of Adikal , Bhakti kaal, Ritikal,AdhnikKaal

CO 11: Understanding the history of development of Hindi drama, short stories and novels.

CO 12 : Understanding the discourse of women and dalits in Hindi literature.

CO13 : Understanding The importance of Translation studies.

CO14 : Understanding To Write Various forms of essays.

Number	Course outcome
SEMESTER 5- 3 CREDITS	
Co1	To make the students understand the important role of Hindi language as Global language, importance of translation.
Co2	To make the students understand various aspects of language asampark Bhasha link language and official Language, Raj Bhasha and Rashtra Bhasha.
Co3	Identify the details of the Hindi language family.
Co4	Understanding the meaning, concept and importance of Functional language.
SEMESTER 6- 3 CREDITS	
Co1	To make the students know how and type of role is played in various social media platforms and employability skills to be developed
Co2	Studying The role of translation in change in multilingual society and imparting Cultural intellectual respect.
Co3	Understanding the meaning, concept and importance of Journalism Understanding the role of translation in journalism.
Co4	Studying The different phases Hindi me sthrivadi sahitya,Dalit sahithya,Adivasi Sahithya,Alpsankyak sahithy.

SEMESTER –I

Course Code: TEL101

Course outcomes

CO 1) How secured a woman needs to be in society

CO 2) How must she deal with the injustice done to her

CO 3) Logical Defense

C O 4) Importance of wife, son, and Dharmas

CO 5) Innocence in Children

CO 6) Determination

CO 7) Purity

CO 8) Obedience

C O 9)Values of life style in family

SEMESTER-II

Course Code: TEL201

Course outcomes:

CO 1) One shouldn't have pride

CO 2) Only god could save us on verge of death

CO 3) Behavior

CO 4) Personality Development

CO 5) Significance of Education

CO 6) Stay away from the wicked

CO 7) Greatness of our motherland

CO 8) Being conscious about the nation's development

CO 9) Letting the whole world know its glory

C O 10) Human tendency in old age.

SEMESTER -III

Course Code: TEL301

Course outcomes:

CO 1) Communication skills

CO 2) How to tackle tough situations

CO 3) Parenting

CO 4) Pampering consequences

CO 5) Problems faced by such kids

C O 6) Value of Education

CO 7) Students focus must be on their teacher

SEMESTER-IV

Course Code: TEL401

Course outcomes:

CO 1) Jealous must gear up the competitive spirit among students

CO 2) None should think that they are undefeatable

CO 3) God graces knowledge upon us all

CO 4) Personality development

CO 5) Social responsibility

CO 6) Women feeling in Responsibility of the household

CO 7) We must will for the wellbeing of others

CO 8) Importance in acknowledge local area

CO 9) Humanity is the most important of all

CO 10) foreigners work about Telugu literature

CO 11) We need to realize what we are doing now without glorifying the past history

CO 12) importance of Oathing and it values. Mainly in relationship

CO 13) Education and devotion values.

SEMISTER-V

CO 1) poetry writing skills
CO2) Song writing skills
CO 3) Writing skills of free verse and mini poetry
CO 4) Writing skills of prose essays
CO 5) Development of study skills and re search
CO 6) Text Book preparation knowledge.

SEMESTER-IV

CO 1) Writing skills in NAATIKA(Drama)
CO 2) Writing skills of NOVEL
CO3) Writing skills in short story, life histories.
CO 4) How to develop Oratory skills.
CO 5)How to write NEWS and importance
CO 6) How to interview to get information
CO 7) How to translate from other languages
CO 8) How to prepare a project and report.

NOTE; Semester V & VI mainly introduced for students can opt Telugu literature as life source .

OUTCOMES

Second Language Urdu

(Semester – 1)

They get to Know about Urdu new and old poets and their poetry of Ghazals.

- Remember all the basic concepts of Urdu Ghazal.
- Read, understand and enjoy Urdu poems.
- To Create interest among students in literature.
- Developing communication skills.
- Creating awareness in the students about life attitude and environment.

Remember all the basic concepts (Knowledge)

1.Contributions of the poets in Literature

Explains (Understanding)

2.Beauty of the Urdu Ghazals

3.Beauty and theme of the Urdu poems

Critically examines, (Analysis and Evaluation)

4. Thinking and Creativity of the deferent poets.

Appraises (Evaluate)

5. Urdu Ghazal and Nazm

6. The Rise and Growth of Ghazal and Nazm

Examines (Analyze)

7. Differs between New and old Ghazal and Nazm

Investigates (Create)

8. Creating awareness int students about life attitude and environment.

Writes Ghazal and Nazm in their own words (Practical skills)

OUTCOMES

Second Language urdu

(Semester – 2)

They get to Know about the Classical and Modern Poets of Urdu and their poetry.

- Remember all the basic concepts of Urdu Masnavi.
- To create interest and awareness about the Indian Heritage and culture.
- To train the students in speaking, reading and writing skills.
- To create interest in Poetry Recitation among the students.
- Developing the Research skills in literature.

A. Remember all the basic concepts (knowledge)

1.Contributions of the poets in literature

B. Explains (Understanding)

2.Theme of the of the Urdu Masnavi, Marsiya, Qasida and Rubayee

3.Beauty and theme of the Urdu poems

C. Critically examines, (Analysis and Evaluation)

4. Thinking and Creativity of the deferent poets of Masnavi, Marsiya and Qasida

D. Appraises (Evaluate)

5. Urdu Masnavi, Marsiya, Qasida, Rubayee and Nazm

6. The Rise and Growth of Masnavi, Marsiya, Qasida and Rubayee

E. Examines (Analyze)

7. Differs between Masnavi, Marsiya, Qasida and Rubayee

8. Creating awareness int students about life attitude and environment.

F. Writes Masnavi, Marsiya, Qasida and Rubayee in their own words (Practical skills)

OUTCOMES

Second Language urdu
(Semester – 3)

They get to Know about the Urdu Novel, Drama, Afsana and Dastaan

- Remember all the basic concepts of Urdu Novel, Drama, Afsana and Dastaan
- To provide basic and essential knowledge of Urdu Fiction.
- To train the students in speaking, reading and writing skills.
- To create interest in Writing own essay in Urdu among the students.

A. Remember all the basic concepts (knowledge)

1.Contributions of the Writers in Urdu literature

B. Explains (Understanding)

2. Theme of the of the Urdu Novel, Drama, Afsana and Dastaan

3.Heritage and Culture of the Urdu Novel, Drama, Afsana and Dastaan

C. Critically examines, (Analysis and Evaluation)

4. Creative Thinking in view of the Novel, Drama, Afsana and Dastaan

D. Appraises (Evaluate)

5. Urdu Novel, Drama, Afsana and Dastaan.

6. The Rise and Growth of Urdu Novel, Drama, Afsana and Dastaan

E. Examines (Analyze)

7. Differs between Urdu Novel, Drama, Afsana and Dastaan

F. Investigates (Create)

8. Creating awareness in the students about life attitude and environment.

G. Create interest in Writing own essay in Urdu among the students (Practical skills)

OUTCOMES

Second Language urdu

(Semester – 3)

- Know about the Urdu Novel, Drama, Afsana and Dastaan
- Remember all the basic concepts of Urdu Novel, Drama, Afsana and Dastaan
- To provide basic and essential knowledge of Urdu Fiction.
- To train the students in speaking, reading and writing skills.
- To create interest in Writing own essay in Urdu among the students.

A. Remember all the basic concepts (knowledge)

1.Contributions of the Writers in Urdu literature

B. Explains (Understanding)

2.Theme of the of the Urdu Novel, Drama, Afsana and Dastaan

3.Heritage and Culture of the Urdu Novel, Drama, Afsana and Dastaan

C. Critically examines, (Analysis and Evaluation)

4. Creative Thinking in view of the Novel, Drama, Afsana and Dastaan

D. Appraises (Evaluate)

5. Urdu Novel, Drama, Afsana and Dastaan.

6. The Rise and Growth of Urdu Novel, Drama, Afsana and Dastaan

E. Examines (Analyze)

7. Differs between Urdu Novel, Drama, Afsana and Dastaan

F. Investigates (Create)

8. Creating awareness in the students about life attitude and environment.

G. Create interest in Writing own essay in Urdu among the students (Practical skills)

OUTCOMES

Second Language urdu

(Semester – 4)

• Know about Urdu about Ghair Afsanavi Abdab like khutoot, Safarnama, Inshaya.

• Gain the knowledge of art of writing essay in Urdu

• To create awareness on all the basic concepts of Urdu Essay, khutoot, Safarnama, Inshaya.

• To train the students to Read and learn about famous Urdu khutoot, Safarnama.

• Read and learn about famous Urdu khutoot and Safarnama.

A. Remember all the basic concepts (knowledge)

1.Contributions of the Writers in Urdu literature

B. Explains (Understanding)

2.Theme of the of the Urdu Essay, Khutoot, Safarnama, and Inshaya.

C. Critically examines, (Analysis and Evaluation)

4. Thinking and Creativity of the deferent Writers of Urdu Essay, Khutoot and Safarnama.

D. Appraises (Evaluate)

5. Urdu Essay, Khutoot, Safarnama and Inshaya.

6. The Rise and Growth Essay, Khutoot, Safarnama and Inshaya.

E. Examines (Analyze)

7. Differs between Urdu Essay, Khutoot, Safarnama and Inshaya.

F. Investigates (Create)

8. Creating awareness into the students about life attitude and environment.

G. Create interest in Writing Own Essay, Khutoot, Safarnama and Inshaya. (Practical skills)

OUTCOMES

Second Language urdu

(Semester – 5)

1. Students are aware of the importance of mass media.
2. They are aware of modern media. In the modern era, there is media, phone, television, WhatsApp, Internet, etc.
3. Students will be familiar with Urdu journalism.
4. Became familiar with writers like Maulana Muhammad Baqir Maulana Abul Kalam Azad and the newspapers published under his editorship.
5. The students will also be familiar with the brief life of Maulana Abul Kalam Azad.
6. And at the same time know about, Maulana Abul Kalam Azad published newspapers under the names of Al-Hilal and Al-Balagh. Maulana Abul Kalam Azad was a famous educationist and the first education minister of independent India.
7. Gain the knowledge about urdu journalism
8. Explain (understanding)
9. Create awareness about mass media and modern technology.

OUTCOMES

Second Language urdu

(Semester – 6)

1. In this semester, students got to know about the origin and evolution of computer.
2. Familiar with devices, got familiar with the importance of computer in normal life.
3. They got to know about Charles Babbage
4. the universal system of languages in computer is called Unicode, in-page Urdu software is used for publishing Urdu newspapers and books.
5. The students learned about the importance, usefulness and types.
6. Students learned that through translation
7. They got familiar with the culture of different nations of the world and the conditions there.
8. Fort William College was the first institution where books from other languages were translated into Urdu, which was established by the British in 1800 AD. Sir Sid Ahmad Khan established the Scientific Society for Translation.
9. It is necessary to have Dar-ul-Tarjama for translation under Osmania University, then in 1917 Jamia Osmania was established.
10. Gained knowledge about computer

Subjects Dealt for FIRST SEMESTER B.A, B.Com & B.Sc:

1. **The first Unit entitled with "Classical Prose": Under this title two Surahs of Holy Qur'an i.e "سورة الانشراح" and "سورة التين".**

2. **The Second Unit entitled "Modern Prose": Under this there are two lessons dealt with, those are as Under**
   "الحوار" and "النظافة".

3. **The Third Unit entitled "Poetry": Under this there are two lessons two poems of Arabic Language dealt with. Title of those are : "القلم" and "لغتي".**

4. **The Fourth Unit entitled "Grammar": Under this there are two lessons from the Arabic Grammar dealt with, those are: "الكلمة وأقسامها" and "الاسم وأقسامه".**

5. **Fifth Unit entitled with "History of Arabic Literature": Under this there are three lessons dealt with:**
   a. **ميزات اللغة العربية**
   b. **الشعر والشعراء في العصر الجاهلي**
   c. **المعلقات السبع**

Outcome: after completion of First Semester Syllabus students gain knowledge of the following:

- **Classical prose; specially Tafseer Literature**
- **General usage of prose**
- **Beginning usage of Arabic Grammar**
- **History of Arabic literature specially the Poetry developments in Pre Islamic Period**

Subjects Dealt for SECOND SEMESTER B.A, B.Com & B.Sc:

1- **The first Unit entitled with "Classical Prose": Under this title two lessons dealt with i.e "سورة القدرالقدر" and "سورة الزلزال".**

2- **The Second Unit entitled "Modern Prose": Under this there are two lessons dealt with, those are as Under**
"المعرض الصناعي" and "النظام السابع مير عثمان علي خان".

3- **The Third Unit entitled "Poetry": Under this there are two lessons two poems of Arabic Language dealt with. Title of those are : "النشيد الوطني" and "البنت".**

4- **The Fourth Unit entitled "Grammar": Under this there are two lessons from the Arabic Grammar dealt with, those are: "المركب المفيد" and "المركب الناقص".**

5- **Fifth Unit entitled with "History of Arabic Literature": Under this there are three lessons dealt with:**
   d. **أثر القرآن الكريم على الأدب العربي**
   e. **تدوين القرآن المجيد**
   f. **تأثير الحديث الشريف على الأدب العربي**

Outcome: after completion of Second Semester Syllabus students gain knowledge of the following:

- **Classical prose; specially Tafseer Literature, Quranic Translation etc.**
- **General usage of Arabic prose; specially with these lessons they learned to write and present a life history of great personalities etc.**
- **Usage of Arabic Grammar**
- **From the last Unit students learn the evolution of Arabic Language. Specially they gain knowledge about compilation of the Holy Quran and "Hadith".**

Subjects Dealt for Third Semester B.A, B.Com & B.Sc:

1. **The first Unit entitled with "Classical Prose": Under this title two lessons dealt with i.e "القرآن الكريم" and "الحديث النبوي الشريف".**

2. **The Second Unit entitled with "Modern Prose": Under this title two lessons dealt with i.e "بطل الحرية" and "المساواة الإنسانية".**

3. **The Third Unit entitled "Poetry": Under this there are two lessons two poems of Arabic Language dealt with. Title of those are : "العلم" and "كتابي".**

4. **The Fourth Unit entitled "Grammar": Under this there are two lessons from the Arabic Grammar dealt with, those are: "الفعل المضارع المنصوب" and "الفعل المضارع المجزوم".**

5. **Fifth Unit entitled with "History of Arabic Literature": Under this there are three lessons dealt with:**
   a. **الأدب العربي في العصر الأموي**
   b. **أبرز الشعراء في العصر الأموي (جرير، الأخطل، الفرزدق، عمر بن أبي ربيعة)**

Outcome: after completion of Second Semester Syllabus students gain knowledge of the following:

- **They get details knowledge of Quran and Hadith-e-Shareef as those are greate Arabic literature field, because of those Arabic language become a vast language.**
- **General usage of Arabic prose; specially with these lessons they learned to write and present life history of great personalities and write about value basis articles.**
- **Usage of Arabic Grammar**
- **From the last Unit students learn the evolution of Arabic Language. Specially they gain knowledge about the Arabic Literature in Umayyad Period.**

Subjects Dealt for Fourth Semester B.A, B.Com & B.Sc:

1. **The first Unit entitled with "Classical Prose": Under this title two lessons dealt with i.e "سيرة الرسول صلى الله عليه وسلم" and "أشهر صحابيات الرسول صلى الله عليه وسلم".**

2. **The Second Unit entitled with "Modern Prose": Under this title two lessons dealt with i.e "آثار تلنغانه" and "سروجني نائيدو".**

3. **The Third Unit entitled "Poetry": Under this there are two lessons two poems of Arabic Language dealt with. Title of those are : "حياتي" and "النجم".**

4. **The Fourth Unit entitled "Grammar": Under this there are two lessons from the Arabic Grammar dealt with, those are: "كان وأخواتها أي الأفعال الناقصة" and "إن وأخواتها: حروف المشبه بالفعل".**

5. **Fifth Unit entitled with "History of Arabic Literature": Under this there are three lessons dealt with:**
   a. **الشعر والشعراء في العصر العباسي**
   b. **أبرز الشعراء في العصر العباسي (أبو نواس، أبو العتاهية، المتنبي، أبو العلاء المعري)**
   c. **تطور النثر في العصر العباسي**
   d. **أبرز الكتّاب في العصر العباسي (الجاحظ، ابن المقفع، بديع الزمان الهمداني، الحريري)**
   e. **الأدب الإسلامي في العصر العباسي**

Outcome: after completion of Second Semester Syllabus students gain knowledge of the following:

- **They get details knowledge of Seerah Literature. This study make them to write about great historical personalities.**
- **They get knowledge of great personality "Sarojni Naidu" and Telangana's valuble assets.**
- **They get knowledge of Arabic Poetry.**
- **The get knowledge about poets and their poetry. Specially in this syllabus they know the characteristics of Abu Nuwas, Mutanabbi etc.**

Subjects Dealt for Fifth Semester B.A, B.Com & B.Sc:

1. **The first Unit entitled with "Modern Prose": Under this title two lessons dealt with i.e "بطل الحرية" and "المساواة الإنسانية".**
2. **The Second Unit entitled with "Poetry": Under this title two poems dealt with i.e "العلم" and "كتابي".**

3. **The Third Unit entitled "History of Arabic Literature": Under this there are two lessons dealt with. Title of those are : "تطور النثر في العصر العباسي" and " أبرز الكتاب في العصر العباسي".**

Outcome: after completion of Second Semester Syllabus students gain knowledge of the following:

- **They get knowledge of Modern prose**
- **They get knowledge of Modern poetry**
- **They gain knowledge about the Arabic literature in Abbasid period.**

Subjects Dealt for Fifth Semester B.A, B.Com & B.Sc:

1. **The first Unit entitled with "Modern Prose": Under this title two lessons dealt with i.e "آثار تلنغانه" and "سروجني نائيدو".**
2. **The Second Unit entitled with "Poetry": Under this title two poems dealt with i.e "حياتي" and "النجم".**

3. **The Third Unit entitled "History of Arabic Literature": Under this there are two lessons dealt with. Title of those are : "الأدب الإسلامي في العصر العباسي" and "أبرز المحدثين في العصر العباسي".**

Outcome: after completion of Second Semester Syllabus students gain knowledge of the following:

- **They get knowledge of Modern prose**
- **They get knowledge of Modern poetry**
- **They learnt and received information of writers of Hadith literature .**
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GOVERNMENT DEGREE COLLEGE

CHANCHALGUDA, HYDERABAD TELANGANA-500024

(AFFILIATED TO OSMANIA UNIVERSITY)

COURSE OUTCOMES

(COs)

B.Com (Computer Applications)

S. No	Semester	Course	Title of paper	Number	Course outcome
1	I	B.COM	Financial accounting-I	Co1	Understand the accounting principles, concepts and convention
				Co2	Analyze what bank reconciliation statement is and understand about rectification of errors and suspense account
				Co3	Analyze the essentials of bill of exchange and its accounting treatment.
				Co4	Understand the various methods of calculating depreciation.
				Co5	Understand the methods of calculating profits under single entry System.
2	I	B.COM	Fundamentals of Information Technology	Co1	To understand the basic knowledge of computers
				Co2	Student gain basic excel knowledge
				Co3	To prepare power point presentation
				Co4	Student can access to browsing network
				Co5	To gain different types of network
3	I		Business Organizati onon and mgt	Co1	Provide understanding about business organization
				Co2	Create understanding about different business organization forms
				Co3	Familiarize with Partnership form of organization and its comparison with sole proprietorship
				Co4	Provide understanding about kinds of companies and create awareness about multinational companies
				Co5	Get an idea about cooperative societies and Cooperative society movement in India

4	II	B.COM	Financial Accounting II	CO1	Learn the accounting treatments, valuation of unsold stock and calculation of normal loss.
				CO2	Learn the accounting treatments in consignments, commission, Bad debts.
				CO3	Prepare joint venture accounts and methods of maintaining accounts.
				CO4	Prepare joint venture accounts and methods of maintaining accounts.
5	II	B.COM	Business Law	CO1	Understand the law and procedureof the contracts
				CO2	Analyze performance and the remedies
				CO3	Get clear idea about the guaranteeof the parties under the contract
				CO4	Get an idea about various kinds of agencies and bailment and pledge
				CO5	Summarize sale of goods and rights and duties of buyer and seller
6	III	B.COM	Business statistics	CO1	Explain the primary concepts of statistics, data collection, sampling and tabulation
				CO2	Understand the concepts of measures of central tendency and solve problems
				CO3	Understand the various measuresof dispersion and solve related problems
				CO4	Develop the ability to solve problems in correlation and regression analysis
				CO5	Calculate the index numbers and understand the concept of time series and their application
7	III	B.COM	Advanced accounting	CO1	Understand the procedure for preparing capital accounts
				CO2	Understand and analyze the preparation of accounts on admission of partners
				CO3	Prepare accounts on retirement, death of partners

				CO4	Clarify the procedure for Dissolution and Insolvency
				CO5	Analyze the amalgamation, sale toa company & piece meal distribution

8	III	B.COM	Principles Of Insurance	CO1	provide a basic understanding of the Insurance Mechanism
				CO2	identify the relationship between Insurers and theirCustomers
				CO3	give an overview of major Life Insurance and General Insurance Products
9	III	B.COM	Practice Of Life Insurance	CO1	Explain insurance operation, including functions of insurance and insurance markets in India
				CO2	Determine the loss exposures of properties, human lives, business operations.
				CO3	Apply the knowledge of current information, theories and models.
				CO4	Compare various kinds of insurance plans as well as thecontract selection criteria from a cost-benefit point of view.
				CO5	Create valuable insights intothe key principles and practices that regulate the insurance.
10	IV	B.COM	Practice OfGeneral Insurance	CO1	Graduates will demonstrate knowledge of the legal and ethical environment impacting business Organizations.
				CO2	Graduates will demonstrate Knowledge of the legal and ethical environment.
				CO3	Graduates will demonstrate an ability to engage in criticalthinking by analyzing situations.
				CO4	Graduates will demonstrate an ability to work effectively with others
				CO5	Graduates will demonstrate knowledge of current information.

11	IV	B.COM	Regulation of Insurance Business	CO1	Explain insurance operation, including functions of insurance.
				CO2	Apply the knowledge of current information, theoriesand models.
				CO3	Evaluate the Regulation of Indian Insurance Legislation and Insurance Act1938.
				CO4	Examine insurance business conducting Legislation and its environment in India
				CO5	Develop valuable insights intothe key principles.
12	IV	B.COM	Income Tax	CO1	Know about various basic concepts used in Income taxAct.
				CO2	Impart knowledge on the provisions of Income tax law and practice.
				CO3	Enable students to develop experience in identifying tax Issues.
				CO4	Enable students to develop experience in identifying tax issues
				CO5	Exemplify professional judgments and advice on issues relating to tax payableby Individuals, and companies.
13	V	B.COM	Business Economics	CO1	To understand the concepts of cost, nature of production.
				CO2	To understand the concepts of cost, nature of production.
				CO3	To analyze the causes and consequences of different Market conditions.
				CO4	To integrate the concept of price and output decisions offirms under various market structure.

14	V	B.COM	Computerized Accounting	CO1	The characteristics of Accounting; describing whatuseful information.
				CO2	Accounting principles and concepts used to guide recording.
				CO3	Functions of accounting in keeping a systematic record of financial transaction.
				CO4	Cash book used to recordthe day to day cash transactions.
				CO5	Bank Reconciliation Statement as a report which compares the bank balance as per company's accountingrecords with the balance stated in the bank statement
15	V	B.COM	Cost Accounting	CO1	Students would classify costs and would be able to prepare cost sheet for manufacturing & trading concerns
				CO2	Students would be able to reconcile cost and financial statements.
				CO3	Students would be able to prepare contract account andunderstand various aspects of contract costing including treatment of profit on incomplete contracts.
				CO4	Students would be able to prepare process accounts and statement of joint productsand by-products.
16	VI	B.COM	Research Methodology & Project Report	CO1	know the basic of researchand formation of problems
				CO2	Understand and apply themajor types of research designs and errors
				CO3	Formulate clearly defined scaling techniques and reportwriting
				CO4	Analyze and summaries thebasic terms such as mean, medium and mode.

17	VI	B.COM	Cost Control & Management Accounting	CO1	Explain the relationship between Cost Accounting- Financial Account and Managerial Accounting
				CO2	Explain the concept of management accounting
				CO3	Explain the importance of management accounting for business
				CO4	Explain fixed variable, semi fixed and semi-variable cost concepts
18	VI	B.COM	Theory & Practice of GST	CO1	Know about importance of Indirect taxes in India and the journey of GST in India since the year 2004
				CO2	Know about the application of GST in Tally
				CO3	List out the accounts to be maintained as per GST laws and various returns to be
				CO4	Know about the application of GST in case of businesses which are service-oriented

GOVERNMENT DEGREE COLLEGE, CHANCHALGUDA ,HYDERABAD

DEPARTMENT OF COMPUTER APPLICATIONS (B.COM)

DSC103 –FUNDAMENTALS OF INFORMATION SYSTEM

COURSE OUTCOMES

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

CO 1: Knowledge about computer Generations, Applications and identify the Input and Output Devices.

CO 2: Understand the various Number Systems and Storage Devices.

CO 3: Describe the Softwares and its types and Programming Languages.

CO 4: Understand an Operating System, Functions and its Types.

CO 5: Classification of Networking Devices, Types of Networks and Network Topologies.

DSC 203 – PROGRAMMING WITH C & C++

COURSE OUTCOMES

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

CO1: Knowledge about computer Generations, Applications and identify the Input and Output Devices.

CO2: Understand the various Number Systems and Storage Devices.

CO3: Describe the Softwares and its types and Programming Languages.

CO4: Understand an Operating System, Functions and its Types.

CO5: Classification of Networking Devices, Types of Networks and Network Topologies.

DSC 303-RELATIONAL DATABASE MANAGEMENT SYSTEM

COURSE OUTCOMES

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

CO1: Understand the basic principles of database management systems Draw Relational, Entity-Relationship diagrams to represent simple database application scenarios.

CO2: Apply Normalization techniques in database and explain the file Organization.

CO3: Write SQL queries for a given context in relational database.

CO4: Evaluate processing, retrieval used to backup data and maintain data access performance.

CO5: Knowledge of Distributed Database and Client Server Databases.

DSC 403-WEB TECHNOLOGIES

COURSE OUTCOMES

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

CO1: Describe and understand the basic concepts of HTML and Web design principles.

CO2: Design basic websites using HTML and Cascading Style Sheets.

CO3: Use JavaScript to add dynamic content to pages that meet specific needs and interests.

CO4: Apply different event handling mechanisms.

CO5: Describe important concepts related to XML.

DSE 503 -MANAGEMENT INFORMATION SYSTEM

COURSE OUTCOMES

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

CO1: Evaluate the role of Management information systems in today's competitive business environment.

CO2: Describe the types of information systems supporting the major functional areas of the business.

CO3: Identification, Evaluation and Modification of MIS Enterprise Resource Planning.

CO4: Interpret and recommend the use of Advance Management information system to solve business problems.

CO5: Knowledge of Collaboration processes and information systems.

DSE 603 – MULTIMEDIA SYSTEMS

COURSE OUTCOMES

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

CO1: Define Multimedia and how it works

CO2: Analyze and synthesize the key components of multimedia technologies including Images and animation.

CO3: Implement various data compression and Decompression Techniques of various file formats.

CO4: Describe Multimedia Communication System, Databases & Synchronization

CO5: Use of Multimedia Applications.

GOVERNMENT DEGREE COLLEGE

CHANCHALGUDA,HYDERABAD

DEPARTMENT OF COMPUTER SCIENCE

SEMESTER-I

BS106- PROGRAMMING IN C

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Read, understand and trace the execution of programs written in C language.

CO2 : Write the C code for a given algorithm.

CO3 : Implement Programs with pointers and arrays, perform pointer arithmetic, and use the pre-processor.

CO4 :Write programs that perform operations using derived data types.

SEMESTER-II

BS206- PROGRAMMING IN C++

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Understanding the principles of data abstraction,inheritance and polymorphism

CO2 : Apply the principles of virtual functions and polymorphism.

CO3 : Analyzing the handling formatted I/O and unformatted.

CO4 : Evaluate the I/O Introduces exception handling.

SEMESTER-III

BS306-DATA STRUCTURES USING C++

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : To evaluate and analyze the complexity of given algorithms to apply for Problem solving things like sorting, searching.

CO2 : To define basic static and dynamic data structures and relevant standard algorithms for stacks and queues

CO3 : To implement operations like insertion, deletion, traversing mechanism on linear and non- linear data structures like lists and trees.

CO4 : To design and select appropriate data structures and algorithms for applications to solve specific problem definitions.

SEMESTER-IV

BS406-DATABASE MANAGEMENT SYSTEMS

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Explains the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.

CO2 : Explain various data models and database system architectures.

CO3 : Design ER-models to represent simple database application scenarios

CO4 : Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.

CO5 : Write queries to access database using SQL.

CO6 : Design a database using normalization theory and explain the concepts of transaction processing.

SEMESTER-V

BS505-PROGRAMMING IN JAVA

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1 : Use the syntax and semantics of java programming language and basic concepts of OOPS.

CO 2: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.

CO 3: Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.

CO 4: Design event driven GUI and web related applications which mimic the real word scenarios.

SEMESTER-V

BS506-OPERATING SYSTEM

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: Identify the role of Operating System. To understand the design of the control unit.

CO 2: Understanding CPU Scheduling, Synchronization, Deadlock Handling and Comparing CPU Scheduling Algorithms. Solve Deadlock Detection Problems.

CO 3: Describe the role of paging, segmentation and virtual memory in operating systems.

CO 4 : Description of protection and security and also the Comparison of UNIX and Windows based OS.

CO 5: Defining I/O systems, Device Management Policies and Secondary Storage Structure and Evaluation of various Disk Scheduling Algorithms.

SEMESTER-VI

BS605- COMPUTER NETWORKS

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: Describe the general principles of data communication.

CO 2: Describe how computer networks are organized with the concept of layered approach.

CO 3: Describe how signals are used to transfer data between nodes.

CO 4: Implement a simple LAN with hubs, bridges and switches.

CO 5: Describe how packets in the Internet are delivered.

CO 6: Analyze the contents in a given data link layer packet, based on the layer concept.

CO 7: Design logical sub-address blocks with a given address block.

CO 8: Decide routing entries given a simple example of network topology

CO 9: Describe what classless addressing scheme is.

CO 10: Describe how routing protocols work.

CO 11: Use C programming language to implement network programs.

CO 12: Design and implement a network protocol.

SEMESTER-VI

BS606- PHP with MySQL

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: List the major elements of the PHP & MySQL work and explain why PHP is good for web development.

CO2 : Learn how to tak a static website and turn it into a dynamic website run from a database using PHP and MySQL.

CO 3: Analyze the basic structure of a PHP web application and be able to install and maintain the web server, compile, and run a simple web application.

CO 4: Learn how databases work and how to design one, as well as how to use php MyAdmin to work with MySQL.

CO 5:Learn different ways of connecting to MySQL through PHP, and how to create tables, enter data, select data, change data, and delete data. Connect to SQL Server and other data sources.

DEPARTMENT OF ECONOMICS
COURSE OUTCOMES

S.No	Semester	Course	Credits	Course Outcomes
1	I	MICRO ECONOMICS	5	1. Students can be explain basic concepts of micro economics and its importance 2. Students can explains consumes behavior in real life 3. Students will be able to understand demand and supply in real market 4. Students can able to estimate the supply and demand in Agriculture markets 5. Students can be explains different costs in Agriculture sectors and Industrial sectors
2	II	MACRO ECONOMICS	5	1. Students can explain and Examine the concepts, calculation methods of national income to real life situations. 2. Students will get ability to apply macro economic theories like Kynes Employment Theory to real life situations. 3. Students can be able to estimate investments in all Sectors 4. Students can Compare and contrast the different types of unemployment theories 5. Students will be able to write an essays on types and reasons of inflation and stages of business cycles

3	III	STATISTICS FOR ECONOMICS	5	1. Students can use statistcal tools for economic analysis 2. Students will be able use statistical tools for research purpose 3. Students can Identify and solve the statistical problems in real life 4. Students can Calculate measures of central tendencies, range and correlation 5. Students can Collect data, analyze and present.
4	IV	Indian Economy	5	1. Students can Describe importance of Indian Economy in our country 2. Students can Explain different source revenue of State and Central government 3. Students can Illustrate public expenditure and reasons for increase in public expenditure on welfare schemes 4 .Students will be able to Identify Priority sector and other sectors and understand the problems in different sectors 4. Students will be able to Examine tax and subsidy system and differentiate taxes in State and Central Government

5	V	PUBLIC ECONOMICS	5	1. Student will be able to examine the public goods and private goods 2. Students can be examine principle of maximum social advantage 3. Students will be able to differentiate tax system before VAT after VAT 4. Students will be able to fiscal policy of the government

				5. Students will be able to analyze different types of budgets and importance of budget of state and central government
6	VI	DEVELOPMENT ECONOMICS	5	1. Students can Analyze different growth theories and PQLI, HDI their importance 2. Students can Differentiate between balanced and unbalanced growth, population effects 3. Students can Apply Human Resources and their importance in real life situations 4. Students can Explain development countries and factors of under development countries 5. Students can Compare Big push Theory, Gunnar Mirdal Development Theories

DEPARTMENT OF HISTORY

SEMESTER – I

History of India (From Earliest Times to c.700 CE)

COURSE**CODE: HIS101**

Course Outcome:

On completion of the course, students will:

- Learn in details with examples Pallavas of Kanchi
- Learn in depth development of urban centres
- Learn the characteristics of Mauryan empire
- Understand in depth trade routes
- Understand in details with examples Art and architecture

SEMESTER – II

Paper-II: History of India (c.700-1526 CE)

COURSE**CODE: HI201**

Course Outcome:

On completion of the course, students will:

- Understand the details of Rashtrakutas
- Write down the characteristics of Islamic intellectual traditions
- Identify the classification and characteristics of regional languages and literature
- Identify in depth Merchant guilds of south India

SEMESTER – III

History of India (1526-1857 CE)

COURSECODE:HIS301

Course Outcome:

On completion of the Course, students will:

- Understand in depth Baburs invasion
- Understand in depth of Mughal rule under Akbar
- Learn in details with examples Art and architecture of Mughal
- Learn in depth of Conquest of Bengal

SEMESTER – IV

History of India (1858-1964 CE)

COURSE CODE:HIS401

Course Outcomes:

On completion of the Course, students will:

- Write down the characteristics of Persian and turkish tradition
- Understand in depth Sultanate political structure
- Learn in details with examples Bhakti movement
- Identify the details of Sufi cult
- Understand in details with examples Monetization

SEMESTER – V

History of the Modern World

COURSE CODE:HIS501

Course Outcomes:

On completion of the Course, students will:

- Learn the details of The French revolution
- Understand in depth Italian unification
- Understand in depth Napoleon -III
- Learn in depth the UNO
- Learn the classification and characteristics Soviet industrialization
- Learn in depth Formation of the USSR

SEMESTER – VI

Tourism and Culture

COURSE CODE:HIS601

Course outcomes:

On completion of the Course, students will:

- To appreciate the significance of Historical Monuments
- To cherish the great Indian Heritage.
- To impart Skills in guideship
- To protect and preserve the historical sites and Monuments.

DEPARTMENT OF POLITICAL SCIENCE

SEMESTER- I

Course Code:
POL101Course
Outcome:

On completion of the Course, students will:

- Learn in depth meaning and nature of political theory
- Deliberate in details with examples differences between politics and political theory
- Understand the elements of state and origin theories of the states, and political concepts.
- Specify the details of theoretical perspectives of liberal, Marxist and feminist.
- Understand the political ideologies.
- Understanding the making of the public policies, role of the media and importance of the public opinion.

POLITICAL SCIENCE

SEMESTER- II

Course Code:

POL201Course outcomes:

On completion of the Course, students will:

- Understand in details of the greek political philosophy.
- Identify the classification and characteristics of western political thought
- Understand in details with examples western political thought
- Understand in depth of different political thinkers ideologies.
- Identify the classification and characteristics of liberalistic ideologies.
- Learn the details of Marxism and hegemony theory.

SEMESTER-III

Course Code:

POL301Course outcomes:

On completion of the Course, students will:

- Understand in details with application, if applicable, Indian political thought
- Specify in depth Indian political thought
- Identify the classification and characteristics of Indian political thought
- Understand in details with examples Indian political thought
- Understand in depth of Gandhian and Ambedkar Ideologies.
- Learn the details of Socialistic society and socialistic democracy methods.

SEMESTER-IV

Course code:

POL401Course

Outcome:

On completion of the Course, students will:

- Identify the characteristics of Indian politics
- Understand the characteristics of Indian constitution
- Understand in details with application, if applicable, federalism
- Identify the classification and characteristics of power structure in India
- Identify the details of party system in India

GENERIC ELECTIVE

SEMESTER-V

B.A Political Science

Human Rights

Course outcomes:

- To understand the issues concerning the rights of citizens in general and the marginalized groups in particular.
- To assess the institutional and policy measures which have been taken in response to the demands of various movements.
- Understand the Conceptual dimensions, international trends and the Indian experience form the contents of the course.

SEMESTER- V

Course Outcome:

POL501Course

On completion of the Course, students will:

- Identify the classification and characteristics of approaches of international relations
- Understanding the causes and consequences of the I and II world wars.
- Specify the classification and characteristics of cold war
- Write down in depth of globalization and international funding agencies.
- Understand the political concepts of international relations like power authority, sovereignty and balance of power.

GENERIC ELECTIVE

SEMESTER-VI

B.A Political Science

Gender and Environment

Course code: POL601

Course outcomes:

Course This course aims at enabling the students

- to understand the issues concerning the rights of citizens in general and the marginalized groups in particular.
- To assess the institutional and policy measures which have been taken in response to the demands of various movements and Conceptual dimensions.
- To comprehend the international trends and the Indian experience form the contents of the course.

POLITICAL SCIENCE

SEMESTER- VI

Course code: POL701

Course outcomes:

- The student can understand the definition of power, balance of power and growing importance of soft power
- Can understood the security and collective security and also identify the importance of bipolarity, unipolarity and multipolority.
- Can identify the value of human rights its protection, and also can know the terrorism and its different methods and environmental issues.
- Can recognize the role of World Bank IMF, UNCTAD, North-South Dialogue and south –south cooperation and role of WTO
- Can identify the importance disarmament arms race, arms control for world peace and identify the importance of NPT, CTBT, MTCR, Proliferation of small Arms

DEPARTMENT OF BOTANY

SEMESTER-I

Course Code:BOT101

Course Outcomes

After completion of the course the student is able to:

CO1.Understand the characteristics of bacteria and viruses

CO2. Identify the characteristics of algae

CO3. Understand the classification and characteristics of fungi

CO4. Identify the classification and characteristics of bryophytes

CO 5.Understand the morphological diversity of Bryophytes and Pteridophytes

CO 6.Know the taxonomic position, occurrence, thallus structure, reproduction of Bryophytes.

Co7.Know the evolution of Bryophytes and Pteridophytes

SEMESTER-II

Course Code:BOT201

Course Outcome

After completion of the course the student is able to:

CO1. Understand the diversity of Gymnosperms and economic importance.

CO2. Know the evolutionary trends and affinities of living gymnosperms with respect to external and

internal features

CO3.Know the conceptual development of "taxonomy" and "systematics"

CO4.Learn the types of classifications- Natural and phylogenetic.

CO5. Learn about the characters of biologically important families of angiosperms.

CO 6. Know the floral variations in angiospermic families, their phylogeny and evolution.

CO 7. Understand various rules, principles and recommendations of plant nomenclature

in plant identification.

CO8. Understand the concept, types, development and functions of various

ecosystems and their communication.

CO9. Studyof herbarium techniques.

CO 10. Learn the taxonomic evidences from cytological,embryological, numerical and chemicals.

SEMESTER-III

Plant Anatomy and Embryology

Course Code: BOT301

Course Outcome

After completion of the course the student is able to:

CO1. Develop an understanding of concepts and fundamentals of plant anatomy

CO2. Examine the internal anatomy of plant systems and organs

CO3. Develop critical understanding on the evolution of concept of organization of shoot and root apex.

CO4.Analyze the composition of different parts of plants and their relationships

CO5.To identify and compare structural differences among different taxa of vascular plants.

CO6. Learn about double fertilization and their significance

CO 7.To know the structure and development of monocot and dicot embryos.

Semester-III
Skill Enhancement CourseSEC-1(Credits -2)

Course Outcomes:

After completion of the course the student is able to:

CO1.To Learn the importance of Nursery and Gardening, the career and occupational opportunities

CO2.To Learn the techniques of gardening - Types, methods & Tools

CO3.The students will acquire sufficient academic and practical experiences and become self-employed in the nursery ventures.

CO4.The students will learn about how to prepare suitable soil media for potting up, seedling and cutting.

CO5.To impart the skills like germinating seed and transplant seedlings and cutting into pots

CO6.To understand the entrepreneurial skills in nursery technology

Semester-III

SEC-2 Biofertilizers and Organic Farming

Course Code: SEC/BOT301

Course Outcomes:

After completion of the course the student is able to:

CO1.To Learn the importance of Nursery and Gardening, the career and occupational opportunities

CO2.To Learn the techniques of gardening - Types, methods & Tools

CO3.The students will acquire sufficient academic and practical experiences and become self-employed in the nursery ventures.

CO4.The students will learn about how to prepare suitable soil media for potting up, seedling and cutting.

CO5.To impart the skills like germinating seed and transplant seedlings and cutting into pots

CO6.To understand the entrepreneurial skills in nursery technology

Semester-IV

Cell Biology, Genetics and Plant Physiology

Course Code:BOT401

Course Outcome

After completion of the course the student is able to:

CO1. To explain the structure of Cell components and their functions.

CO2 .To describe cell division in plants.

CO3.To have knowledge of the nature and function of genes, processes of inheritance .

CO4.To describe linkage ,crossing over and mutations .

CO5. Understand water relation of plants with respect to various physiological processes.

CO 6.Explain chemical properties and deficiency symptoms in plants

CO 7.Explain the significance of Photosynthesis and respiration

Semester-v

(CELL BIOLOGY AND GENETICS)

Course Code: BOT501

Course Outcome:

After completion of the course the student is able to:

CO1. To explain the structure of Cell components and their functions.

CO2 .To describe cell division in plants.

CO3. To have knowledge of the nature and function of genes, processes of inheritance .

CO4.To describe linkage , crossing over and mutations .

SEMESTER-V

(ECOLOGY AND BIODIVERSITY)

Course Code:BOT502

Course Outcomes:

After completion of the course the student is able to:

CO1.Students learn about the interaction between biotic and abiotic components of the environment.

CO2 .To know about the concept of energy flow in the ecosystem

CO3.To understand the various concepts of Biodiversity, values and factor influence its loss

CO4.They can identify the threats to biodiversity and its habitat loss.

CO5. To Understand the need for conservation of biodiversity

SEMESTER-V
Generic Elective-I

Course Outcomes:

After completion of the course the student is able to:

CO1.Study of economic products with special reference to the Botanical name, family, morphology of useful part and the uses

Semester-V
Skill Enhancement Course
Nursery and Gardening

Course Code:SEC/BOT501
Course Outcomes:

After completion of the course the student is able :

CO1.To Learn the importance of Nursery and Gardening, the career and occupational opportunities

CO2.To Learn the techniques of gardening - Types, methods & Tools

CO3.The students will acquire sufficient academic and practical experiences and become self-employed in the nursery ventures.

CO4.The students will learn about how to prepare suitable soil media for potting up, seedling and cutting.

CO5.To impart the skills like germinating seed and transplant seedlings and cutting into pots

CO6.To understand the entrepreneurial skills in nursery technology

SEMESTER-VI

(PLANT PHYSIOLOGY)

Course Code:BOT601

Course Outcomes:

After completion of the course the student is able:

CO1. To become knowledgeable in plant and its water relations.

CO2.To Know about the requirement of mineral nutrition for plant growth

CO3. To understand the process of Photosynthesis, Respiration and Nitrogen metabolism

CO4. To Know about the Plant Growth hormones (Auxins, Gibberellins. Cytokinins, Ethylene)

SEMESTER-VI
(TISSUE CULTURE &BIOTECHNOLOGY)

Course Code:BOT602

Course Outcomes:

After completion of the course the student is able to:

CO1.To provide students with an understanding of principles and techniques of plant tissue culture

CO2 .Understand the basic knowledge about tissue culture tools, medium, sterilization and techniques of tissue culture.

CO3. Study about the role of tissue culture in crop improvement.

CO4.Understand the fundamentals of Recombinant DNA Technology.

CO5. Know about the Genetic Engineering.

CO6. Analyze the enzymes and vectors for genetic manipulations

CO7. Concepts, tools and techniques related to in vitro propagation of plants.

CO8. Understand the principle and basic protocols for Plant Tissue Culture.

Semester-VI

Skill Enhancement Course

SEC-4 Mushroom Culture Technology

Course Code:SEC/BOT601

Course Outcomes:

After completion of the course the student is able**:**

CO1.To provide an adequate knowledge about importance and habitation of mushroom.

CO2. To get knowledge of nutritional value, cultivation unit and storage methods.

CO3. To acquire knowledge about spawn and spawning techniques.

CO4. To understand the factors influencing the mushroom cultivation and post harvesting methods.

CO5.The students will acquire sufficient academic and practical experiences and become self-employed in the mushroom

Semester-VI

Plant Biodiversity and Human Welfare

Generic Elective-II

Course Code:GE/BOT601

Course Outcome

After completion of the course the student is able to:

CO1.To identify the natural resources which can be conserved for future and sustainable development.

CO2. To know the causes of diversity loss and also about the organization who have been continuously working for biodiversity management and sustainable development.

CO3.To create awareness about conservation of nature and natural resources.

Department of Chemistry

S.NO	COURSECODE/ COURSE TITLE	CHEMISTRY COURSE OUTCOME
1	**SEMESTER I** **PAPER – I** **COURSE CODE** **BS106**	**On completion of this course, the students will be able to:** **S1-CO1**: Students will learn the basic knowledge of s,p groups of Periodic table and able to differentiate between polar and non polar covalent bonding. Identify each atom in a polar bond as having a partial negative charge or a partial positive charge. Compare the relative polarity of two or more polar bonds. **S1-CO2**: Recall the structures, the properties, applications, and the chemical reactivity of the s & p block elements. Differentiate the different allotropes of the s & p block elements. Derive the structure of compounds of the s & p block elements. **S1-CO3**: Students will learn the basic knowledge of bond polarization acidity & basicity & stability of reactive intermediate of different hydrocarbons can be determined. **S1-CO4**: Understand physical &chemical reaction of aliphatic hydrocarbon and aromatic hydrocarbon and the aromaticity of aromatic compounds can predict by Huckel's rule. **S1-CO5**: From this portion students can acquire background knowledge about the Synthesis and chemical reactivity of alkanes, Mechanism of free-radical halogenation of alkanes,alkene and alkyne. **S1-CO6**: Students will understand the terminology Black body radiation, heat capacities of solids, Rayleigh Jeans's law, Planck's radiation law, photoelectric effect, Limitations of classical mechanics, Compton Effect, de Broglie's hypothesis. **S1-CO7**: Students will acquire Knowledge about van der Waal's equation and critical state. Derivation of relationship

		between critical constants and van der Waal's constants. **S1-CO8**: Understands how to determine viscosity using Ostwald viscometer and acquire knowledge about Azetrope mixtures. **S1-CO9**: By considering principles of solubility product & common ion effect cation can be discriminated by anions in a salt mixture. **S1-CO10**: From this portion students can acquire thorough background knowledge about the qualitative analysis of special elements. **S1-CO11**: Classify stereoisomer's based on symmetry criteria and energy criteria. S1CO10: Interpret E/ Z Configuration. **S1 CO12**: Predict the Conformations of simple organic molecules. **S1 CO13**: Learn about determination of Bragg's equation in various crystal structures & by qualitative analysis one can determine the weight of chemical substance.
2	**SEMESTER II-PAPER – 2** **COURSE CODE: BS206**	**On completion of this course, the students will be able to:** **S2-CO1**: To understand the physical and chemical properties of oxides Oxy- acids of p elements. **S2-CO2**: Defines Structure, bonding and reactivity of Xenon – Oxides, Halides and Oxy-halides and Acquire knowledge about clatherate compounds. **S2-CO3**: Explore the methods of preparation and properties of halogen compound and one can express the stereochemistry of SN1 &SN2 reactions. **S2-C04**: Explore the methods of preparation and properties of alcohols, ethers and carbonyl compounds and current applications. **S2-C05**: From this portion students can acquire thorough knowledge about the synthesis of carbonyl compounds and their reactivity. **S2-CO6**: Acquire knowledge on Hittof's method, Kholrausch

		law, Arrhenius theory, Ostwald dilution law, DebyeHuckle Onsager equation and predicts its applications. Accomplish the Nernst Equation, EMF of a cell, Single electrode potential, Standard hydrogen electrode, and electrochemical series. **S2-CO7**: Understand the basic principle of titrations and indicators used for different types of titrations **S2-CO8**: Classify stereoisomer's based on symmetry criteria and energy criteria. Interpret Rand S configuration, D/L Nomenclature. **S2-C09**: From this portion students can acquire knowledge about the EMF and Colligative properties of solution.
3	**SEMESTER III PAPER – III** **COURSE CODE: BS306**	**On completion of this course, the students will be able to:** **S3 CO1**: From this portion students can acquire knowledge on properties of f-block elements and non-aqueous solvents **S3CO2**: Learn about the postulates and limitations of Werners theory, Sidwick's and VBT theory. Acquire knowledge on the IUPAC Nomenclature and solve the EAN of coordination compounds. **S3CO3**: Learn to Categorise the Organometallic compounds of Li Mg Al and Metal carbonyls.Dicuss its applications. **S3CO4**: Understand the preparation methods and its synthetic applications in industry of carboxylic acids and carbanions. **S3CO5:** .Have an idea on all named reactions and mechanisms of carboxylic acids and nitro hydro compounds and focus on its industrial applications. **S3CO6**: Have an extensive knowledge on Thermodynamics with reference to different Thermodynamic functions, processes, work of expansion and laws of Thermodynamics **S3CO7**: Understand the applications of Thermodynamics in basic sciences for deriving equations, in engineering science for calculating efficiency of machine and evaluation of spontaneity of process. Learn to derive the equation of

		spontaneity, Gibb's equation and Maxwell's relations. **S3CO8**: Students learn about the mathematical data, accuracy, precision & error can be explained. **S3CO9**: Design the Phase equilibria of one component and two component system, ,compound with congruent and incongruent melting point.
4	**SEMESTER IV PAPER – IV** **COURSE CODE: BS406**	**On completion of this course, the students will be able to:** **S4CO1**: Understand the theories of coordination compounds and stability of metal complexes. **S4CO2**: Know about the Biological significance of essential elements and toxicity of heavy metals **S4CO3**: Compare the property and reactivity of different class of amines and design the synthesis pathway of different organic compounds using amines **S4CO4**: Classify heterocyclic compounds and compare their aromatic character amd reactivity **S4CO5**: Develop concept on reaction kinetics with special reference to factors influencing the rate and evaluate the merits of different theories of reaction rate. **S4CO6**: Learn to analyze the consequences of light absorption with reference to various photo physical processes and photochemical reactions with normal and abnormal quantum yield. **S4CO7**: Students will learn the Theory of Quantitative Analysis.
5	**SEMESTER V PAPER – V** **COURSE CODE: BS506** **DISCIPLINE SPECIFIC ELECTIVE-A** **SPECTROSCOPY &**	**On completion of this course, the students will be able to:** **S5CO1**: Know about electromagnetic radiation and understand the interaction of electromagnetic radiation with molecules - various types of molecular spectra **S5CO2**: identify the usage of different spectroscopic methods to find the structures, molecular formula, proton nature, Functional group Identification, Unsaturated system,

	CHROMATOGRAPHY	Molecular Weight, Determination of Bond Length. **S5CO3**:To understand the principle of NMR spectroscopy and interpretation of spectrum CO5: Acquire the knowledge of mass spectrometry for the analysis of given sample **S5CO4**: Gain the knowledge of principle and methods of solvent extractions **S5CO5**: Understand the classification of methods of chromatographic techniques, nature of adsorbents and solvent systems **S5CO6**: Analyse the given compounds.
6	**SEMESTER VI PAPER –VI** **COURSE CODE: BS606**	**On completion of this course, the students will be able to:** **S6CO1**: Students will learn about the concepts of inorganic reaction mechanisms **S6CO2**: Understand the structures of Boranes and Carboranes **S6CO3**: Students Classify stereoisomer's based on symmetry criteria and energy criteria. **S6CO4**: Understand the pericyclic reactions **S6CO5**: Understand the Importance of polymers **S6CO6**: Know about the types of Electroanalytical methods. **S6CO7**: Analyze the principles, types of electrodes used and applications of Potentiometry, Voltametry and Conductometry.
7	**SEMESTER VI PAPER –VI** **COURSE CODE: BS606** **DISCIPLINE SPECIFIC ELECTIVE-A** **MEDICINAL**	**On completion of this course, the students will be able to:** **S6 CO1**: Recalling Infective and hereditary diseases. **S6CO2**: Know about the terminology in medicinal chemistry and Nomenclature of Drugs. **S6CO3**: Understand ADME of Drugs. **S6CO4**: Acquire the knowledge of mechanism of action of drugs and factors effecting action of Enzyme and Receptors.

	CHEMISTRY	**S6CO5**: Evaluate the Synthesis and therapeutic activity of Drugs related to Chemotherapeutics, acting on metabolic disorders and acting on nervous system. **S6CO6**: Analyzing the function of molecular messengers and health promoting drugs

DEPARTMENT OF PHYSICS

PROGRAMME OUTCOMES

- Students will realize and develop an understanding of the impact of physics and science on society.
- Students are also expected to develop a written and oral communication skills in communicating physics-related topics.
- Explore important connections between theory, experiment, and current applications.
- Develop a basis for future learning and work experience.
- Ability to Communicate effectively with excellent inter personnel skills and demonstrate the practice of professional ethics for societal benefit.

PROGRAMME SPECIFIC OUTCOMES

PSO1: Students are expected to acquire a core knowledge in physics, including the major premises of Mechanics, Waves, Electromagnetic theory,Thermal Physics Electronics, Optics, Special theory of relativity and Modern physics.

PSO2: Students should learn how to design and conduct an experiment (or series of experiments) demonstrating their understanding of the scientific method and processes.

PSO3 : Students will develop the proficiency in the acquisition of data using a variety of laboratory instruments and in the analysis and interpretation of such data.

PSO4 : Students will learn the applications of numerical techniques for modeling physical systems for which analytical methods are inappropriate or of limited utility.

PSO5 : Apply conceptual understanding of the physics to general real-world situations.

PSO6 : Describe the methodology of science and the relationship between observation and theory.

PSO7 : Learn to minimize contributing variables and recognize the limitations of Equipment.

PSO8 :Discover of physics concepts in other disciplines such as mathematics, computer Science and chemistry.

PSO09: Develop the following experimental tools: Numerically model simple physical systems using Euler's method, curve fitting, and error analysis.

PSO10 : Build connections between mathematical development and conceptual understanding.

COURSE: Mechanics

CO1: Understand the terminology used in Classical Mechanics.

CO2: Employ conceptual understanding to make predictions, and then approach the problem mathematically.

CO3: Understand the important connections between theory and experiment.

CO4: Connect concepts and mathematical rigor in order to enhance understanding.

COURSE: Thermal and Statistical Physics

CO1: Understand how statistics of the microscopic world can be used to explain the thermal features of the macroscopic world.

CO2: Be able to use thermal and statistical principles in a wide range of applications.

CO3: Learn a variety of mathematical and computer techniques.

COURSE: Electricity and Magnetism

CO1: Know the vocabulary and concepts of physics as it applies to: Principles of Electric Fields, Gauss's Law, Electric Potential,Magnetic Fields, Sources of Magnetic Fields,Faraday's Law, Inductance, and Electromagnetic Waves.

CO2: Understand the relationship between electrical charge, electrical field, electrical potential, and magnetism.

CO3: Be able to use electromagnetic theory and principles in a wide range of applications.

CO4: Develop skill to solve numerical problems on it.

CO5: Solve mathematical problems involving electric and magnetic forces, fields, and various electro-magnetic devices and electric circuits.

CO6: Develop explicit problem-solving strategies that emphasize qualitative analysis steps to describe and clarify the problem.

CO7: Gain confidence in their ability to apply mathematical methods to understand electromagnetic problems to real-life situations.

COURSE: Optics& Waves

CO1: To develop an understanding of the principles of optics.

CO2: To build connections between mathematical development and conceptual understanding.

CO3 : To develop an ability to compute basic quantities in optics.

CO4 : Learn to use Spectrometer, Travelling Microscope, Polari meter and other Optics related Instruments.

CO5: Understand the basic concepts of waves and Oscillations

CO6: Learn to use methods for solving differential equations.

COURSE: Modern Physics:

CO1: Develop the concepts of modern physics: basic knowledge of elementary quantum mechanics, nuclear physics, and particle physics.

CO2: Understand the relationship between observation and theory and their use in building the basic concepts of modern physics.

CO3: Understand how major concepts developed and changed over time.

CO4: Capable of analyzing and solving problems using oral and written reasoning skills based on the concepts of modern physics.

CO5: Ability to prepare and organize a presentation on the application of modern physics to modern technology.

CO6: Understand basic concepts and mathematical methods of solid state physics.

CO7: Practice problem solving by using selected problems in solid state physics.

CO8: Learn the mathematical tools needed to solve quantum mechanics problems. This will include ,Solutions of ordinary and partial differential equations that arise in quantum mechanics will also be studied.

COURSE:ELECTRONICS :

CO1: Understand the fundamental concepts of Semiconductors and Electronic devices.

CO2 : Understand how major concepts of Electronics being utilized in daily applications like rectifier, amplifier and Oscillator circuits

CO3: Practice problem solving by using selected problems in solid state physics.

CO4 : Understand the concept of Digital Electronics, Boolean Algebra and Logic Gates and their applicaton in Electronic house hold devices.

DEPARTMENT OF ZOOLOGY

Course Outcomes

Course	Outcome
Animal Diversity-Invertebrates	➢ Students will learn about the General Characters and classification of various Invertebrate Phyla. Structure and functional biology of various animals belong to Invertebrates will be known. ➢ The basic knowledge of parasitology, vectors, host-parasite interactions is given to the students. ➢ Life cycles of various parasites are understood. ➢ Students will learn Pathology, Symptoms, diagnosis and treatment of helminth parasites.
Animal Diversity-Vertebrates	➢ Students will learn about the General Characters, Classification, structure, function and biology of Vertebrates. ➢ Parental care in Amphibia, Poisonous and non-poisonous snake's differences, Migration and Flight adaptation in Birds, Dentition and Aquatic adaptation in Mammals.
Animal Physiology and Animal Behaviour	➢ Functionality of various system of the body will be understood. ➢ Physiology of Digestion, Respiration, Circulation, Excretion, Muscles, Nerves is understood. ➢ Structure and function of Heart. Irregularities of Heart beat and blood clotting mechanism is known. ➢ Endocrinology and functions of various hormones produced in the body is understood. ➢ The knowledge of Learning and Imprinting with respect to behaviour of animals is imparted to the students. ➢ Different patterns of behaviour and cooperative behaviour is understood.
Cell Biology, Genetic and Developmental Biology	➢ Students will learn about the structure and function of various cell organelles. ➢ Transport across cell membrane will be learnt. ➢ Knowledge about genetic material-gene, chromosome is imparted to the students. ➢ Cell division and types is understood ➢ Structure of genetic material-DNA, RNA. ➢ Knowledge about replication, transcription, translation and gene regulation is given to the students. ➢ Students will learn about the fundamental of genetics, mendelian and non mendelian inheritance. ➢ Sex determination and types in different animals. ➢ Sex linked inheritance. Study of inheritance of Haemophilia, Colour blindness, Sickle cell anaemia. ➢ Hormonal and environmental influence on the sex determination of animals. ➢ Mutations in animals.

	➢ Syndromes in humans due to malfunction of cell division apparatus during cell division. ➢ Inborn errors of metabolism in humans
Immunology and Biotechnology	➢ Students will know about the structure and function of Immune cells, Natural and acquired immunity. ➢ Structure of antigens, antibodies. Function of antibodies. ➢ Antigen-antibody interactions. ➢ Hypersensitivity reactions. ➢ Immunodeficiency diseases ➢ AIDS ➢ Plasmids, Cosmids. ➢ Transgenic animals ➢ Stem cells and applications
Ecology, Zoogeography and Evolution	➢ Students will understand various features and aspects of ecology. ➢ Types of pollution and influence on health. ➢ Biogeochemical cycles. ➢ Changes in the habitat- Hydrosere, Xerosere. ➢ Distribution of animals in different continents. ➢ Different theories of Evolution, Concept of Origin of species. ➢ Evidences of Evolution. ➢ Types of speciation. ➢ Natural selection.
Tools and techniques in biology	➢ Students will know the basics and advance techniques now a day very popular like RTPCR for identifying covid-19, ELISA test for IMMUNOASSY. Student will also identify the statistical tools like average, variable and histogram etc. ➢ The student wills also identify the basic principle of microscope and types, histopathological techniques, colorimetery techniques, spectrophotometry.

DEPARTMENT OF MATHEMATICS

SEMESTER-I

SUBJECT:DIFFERENTIAL CALCULUS

CODE:MAT101

COURSE OUTCOMES:

of the course students will be in a position to

CO 1: Explain the relationship between the derivative of a function as a function and the notion of the derivative as the slope of the tangent line to a function at a point.

CO 2: Deliberate in detailed partial differentiation.

CO 3: Give examples of Partial differentiations.

CO 4:Understand the underlying vital basic concepts of such as Partial Differentiation and its applications.

CO 5: Understand the Curvature , Evolutes and Involutes

CO 6: Prove and apply the Length of Plane curves , Volumes , and Surfaces of Revolution.

CO7: To able to calculate limits in inderminate forms by a repeated use of L' Hospital rule.

SEMESTER-II

DIFFERENTIAL EQUATIONS

COURSE CODE:MAT201

COURSE OUTCOMES (COs):

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

CO1: Gain the complete understanding of linear differential equations of first order and first degree.

CO2: Deliberate in depth differential equations of first order and first degree.

CO3: Verify whether a given differential equation is exact or not.

CO4:Identify the appropriate integrating factors to make a non-exact differentiable equation to exact.

CO5: Apply and solve first order differential equations

CO6: Equipped with the various tools to solve few types differential equations that arise in several branches of science.

SEMESTER-III

SUBJECT: REAL ANALYSIS

COURSE CODE:MAT301

COURSE OUTCOMES:

After the completion of the course students will be in a position to

CO 1: Appreciate beauty and applicability of the course.

CO 2: Deliberate in details real number systems

CO 3: Give examples of sequences and series.

CO 4: Understand the underlying vital basic concepts of real analysis such as epsilon- delta definition of limit of a sequence and convergence of a sequence.

CO 4: Determine the continuity and uniform continuity of a function at a point.

CO 5: Compute limits of given functions

CO 6: Explain the properties of continuous functions

CO 7: Prove and apply the mean value theorems

CO 8: Elaborate the geometrical representations of mean value theorems

CO 9: Apply Taylor's and Maclaurian's theorems

CO 10: Differentiate the Darboux and Riemann integrals

CO 11: Gain the significance of the Fundamental theorem of Integral calculus in integration.

SEMESTER -IV

SUBJECT: ALGEBRA

COURSE CODE:MAT401

COURSE OUTCOMES:

of the course students will be in a position to

CO 1: Appreciate beauty and applicability of the course.

CO 2: Deliberate in detailed Algebra

CO 3: Give examples of Groups , Sub Groups , Normal Sub Groups.

CO 4: Understand the underlying vital basic concepts of Homomorphism,

Cosets , The first Isomorphism Theorem.

CO 5: Application of Lagrange's Theorem

CO 6: Explain the Properties of Rings, Examples of Rings , Sub Rings , Integral Domain, Characteristics of Ring , Ideals and Factor Rings.

CO 7: Prove and apply the Concepts of Ring Homomorphism, Examples and Properties of Ring - Homomorphis

SEMESTER-V

LINEAR ALGEBRA

COURSE CODE:MAT601

COURSE OUTCOMES:

Students realize the way linear algebra is used to address some of the problems ofphysics.

After the completion of the course students will be in a position to

CO 1: Explain the concepts of base and dimension of vector space.

CO 2: Explain base concept of a vector space and properties of vectors on the base.

CO 3: Express row and column space of a matrix.

CO 4: Express required conditions for a transformation in order to be a linear transformation.

CO 5: Express some of the algebra operations between linear transformations.

CO6: Explain matrix representation of a linear transformation.

CO 7: Explain eigenvalues and eigenvectors of a linear transformation.

CO 8: Find characteristic polynomial, eigenvalues and eigenvectors of a transformation matrix.

CO 9: Explain that two vectors are orthogonal.

CO10: Express that a set is orthogonal and orthonormal

SEMESTER-VI

SUBJECT:NUMERICAL ANALYSIS

COURSE CODE: MAT501

COURSE OUTCOMES:

After the completion of the course students will be in a position to

CO 1: Students realize the importance of the subject in solving some problems of Numerical Analysis

CO 2: Appreciate beauty and applicability of the course

. CO 3: Deliberate in details of numerical analysis.

CO 4: Find errors in numerical calculations.

CO 5: Solve equations in one variable .

CO 6: Apply bisection, iteration, false position, Newton's and Muller's methods.

CO 7: Use Newton's formula for interpolation.

CO 8: Apply Gauss's, Stirling's, Bessel's , Lagrange's and Newton's formulae for forward, backward and central interpolation.

CO 9: Learn numerical differentiation and numerical integration.

DEPARTMENT OF PUBLIC ADMINISTRATION

SEMESTER-I

Subject: Public Administration

course code : PUB101

Course outcome:

After study of this Course, the learner should be able to:

- To understand the nature and scope of Public Administration;
- To appreciate the methodological pluralism and synthesizing nature of knowledge in Public Administration;
- To comprehend the changing paradigms of Public Administration;
- To acquaint with the theories, approaches, concepts and principles of Public Administration;
- To understand the administrative theories and concepts to make sense of administrative practices.
- To understand the role of public services in the emergence and development of Telangana state

SEMESTER-II

Development Dynamics and Emerging Trends

Course Code:PUB 203

Course outcome

After study of this Course, the learner should be able to:

- To understand the comparative studies and changing dynamics of development Administration;
- To comprehend the new public administration concepts and processes in Public Administration;
- To comprehend the changing paradigms of new Public Administration;
- To acquaint with the market theories, approaches, concepts and principles of Public choice theory;
- To understand the administrative theories and concepts to make sense of administrative management practices.
- To understand the impact of globalization on Indian administration

SEMESTER -III

Union Administration

Course code : PUB301

Course outcomes:

- To understand the historical evolution and socio-economic, political, cultural and global context of Indian Administration;
- To identify the transformative role of Indian Administration;
- To make out the multi-dimensionality of problems and processes of Indian Administration;
- To understand the form and substance of Indian Administration; and
- To appreciate the emerging issues in Indian Administration in the context of changing role of state, market and civil society.

SEMESTER-IV

State Administration

Course Code PUB403

Course outcomes:

After study of the course, the learner should be able to:

- discern the connects and disconnects between structure, purpose and process and results in Indian Administration;
- Understand the Indian Administration role as the main instrument of State to achieve its developmental goals;
- Appreciate the varying historical, socio-economic, political and other conditioning factors that gave Indian Administration its distinct nature to the learner

SEMESTER – V

General Elective- I:

Indian Constitution and Administration

Course Code : PUB501

Course outcome:

- To learn in details of the Constitution of India, the basic objectives and functioning of the government.
- To understand about the social change, defining the relationship between citizen and the state.
- To examine in-depth analysis of various basic areas of constitution of India.
- To learn in details of the Indian constitution, functioning of government in general and accountability and citizen control over administration in particular.

SEMESTER-VI

GENERAL ELECTIVE II: Good Governance

course code : PUB601

Course outcomes:

- To enable the students about issues of social coordination and patterns of governance
- To make the students understanding the theories of governance, various concepts of state and its institutions.
- To enable the students in understanding basic tenets and concepts of good governance
- To enable the students in understanding various processes of good governanace

DEPARTMENT OF SOCIOLOGY

SEMESTER – I

FUNDAMENTALS OF SOCIOLOGY

COURSE CODE: SOC 101

Course Outcome:

- Understanding in brief knowledge of human society and structure and also sociology.
- Get to know the nature of society.
- Understand the structure of social culture and socialization.
- Understand the function of social institutions
- To learn in detail about sociological perspectives and ideologies of sociological thinkers on society.

SEMESTER-II

INDIAN SOCIETY: STRUCTURE AND CHANGE

COURSE CODE:SOC 201

Course outcomes:

- Explore the roots of Indian civilization.
- Know economy, polity and society of ancient, medieval and modern India.
- Understand and analyze the key concepts of Hinduism, Jainism, Buddhism, Islam and impact of these religions on society.
- Demonstrate social, economic, political transformation of Indian society under colonial rule.
- Realize the basic issues of Indian society like unity in diversity, problems of nationalism and principles of Indian Constitution.
- Define globalization and analyze its impact on social, economic, political, cultural spheres.

SEMESTER – III

RURAL AND URBAN SOCIOLOGY

COURSE CODE:SOC 301

Course outcomes:

- Understand the profile of rural and urban community.
- Introduce the basic concepts of Rural Community and Rural Development.
- Create awareness among government schemes in rural and urban developments.
- Define urban sociology and demonstrate the nature and scope of urban sociology.
- Develop an understanding about trends of urbanization in India and impact of urbanization on Indian society.
- Develop awareness about urban problems and policies adopted to solves.

SEMESTER – IV

RESEARCH METHODOLOGY

COURSE CODE:SOC 401

Course Outcomes:

By the end of this course, the students will be able to:

- Understand the meaning of social research, processes and steps in social research
- Understand the meaning of quantitative and qualitative social research and its scientific orientation
- Understand the methods of data collection and sampling techniques
- Understand the process of analysis and interpretation in qualitative research

Perform the analytical operation through social statistics and report writing

DEPARTMENT OF PSYCHOLOGY

SEMESTER-I

COURSE CODE: PSY101

COURSE OUTCOMES:

1. Be able to describe the major concepts, language, and major theories of the discipline to account for psychological phenomena
2. Be able to explain the major perspectives of psychology (e.g., biological, cognitive, behavioral, sociocultural, etc.)
3. Be able to explain the historical trends in the discipline of psychology
4. Be able to describe the major empirical findings in psychology
5. Be able to describe the basic characteristics of the science of psychology and explain different research methods used by psychologists

SEMESTER-II

COURSE CODE: PSY201
COURSE OUTCOMES:

1. Describe the ethical principles pertaining to all aspects of the science and practice of psychology
2. Be able to design, conduct, and evaluate research that address psychological questions
3. Demonstrate effective written and oral skills in various formats and for various purposes
4. Practice ethical behavior in all aspects of the science and practice of psychology
5. Use critical thinking effectively in evaluating information quality, recognizing thinking fallacies, and making connections between observations, facts, and theories
6. Apply psychological content and skills to professional work, exhibit self-regulation, refine project management skills, enhance team work ability, and develop life direction

FACULTY OF SOCIAL SCIENCES

B A MASS COMMUNICATION AND JOURNALISM

SEMESTER-I

Introduction to Communication and Journalism

COURSE CODE JOUR101

Course Outcomes

CO1: The student will be able to understand the concepts of communication

CO2: The student will be familiarized with models of communication

CO3: The student will be familiarized with theories of communication

CO4: The student will be able to understand the basics of Journalism

CO5: The student will be explained about various kinds of journalism

SEMESTER-II

Mass Media in India

COURSE CODE JOUR101

Course Outcomes

CO1: The student will be given historical understanding of media in India.

CO2: Explain the present status Radio in India.

CO3: Understand the Cinema and Films in Indian media.

CO4: Understand the Broadcast media

CO5: A brief history of New Media

SEMESTER-III

Reporting and Editing for Print Media

COURSE CODE JOUR101

Course Outcomes

CO1: The student will be able to Identify different dimensions of the news.

CO2: Will understand types of reporting

CO3: will study organizational set up

CO4: Edit the news reports.

CO5: Explain the laws relating to media

SEMESTER-IV

Broadcast and New Media Journalism

COURSE CODE JOUR401

Course Outcomes

CO1: The student will be able to understand broadcast media.

CO2: Learn radio production.

CO3: Understand radio

CO4: Understand television journalism

CO5: Get involved in new media journalism.