

B.L.D.E.Association's

S.B.Arts and K.C.P. Science College

Vijayapur

PG DEPARTMENT OF CHEMISTRY



Programme Outcomes (POs) ,
Programme Specific Outcomes(PSOs)
and Course Outcomes (COs)

B.L.D.E. Association's
S.B. Arts and K.C.P Science College Bijapur
Post Graduate Department of Chemistry
POS 2019-2020
Subject: Analytical Chemistry

PO1: In advance elementary/fundamental knowledge.

PO2: Critical thinking, scientific methods to design, carry out analytical the results of experiments and get awareness of the impact of chemistry on environment, society, etc.

PO3: Higher education, competitive, Reputed Research laboratory.

PO4: Industrial application.

PSO1: To develop strong and compete knowledge in theoretical and practical chemistry.

PSO2: Able to explain Theory, Principle, Postulates, Methods, explaining instrumentation, Derivation, calculations and to calculate the physical and electrochemical parameters

PSO3: To recognize the various laws and theories and solving numerical problems.

PSO4: To develop various technical and analytical skills through laboratory training.

POS5: To create awareness the importance. And impact of chemistry on environment.

M.Sc 1st Sem: Analytical Chemistry

CO1: Review of different types of electromagnetic radiations.

CO2: Study the types of transitions and their energy levels.

CO3: Understand the selection rules.

CO4: Study the classification of polyatomic molecules (CO_2 , CH_3F and BCl_3) based on moment of inertia-linear, symmetric top and asymmetric top.

CO5: To know the detail study of UV-Visible Spectroscopy.

C06: To study the λ_{\max} for polyenes, α,β -unsaturated aldehydes and ketones (Woodward-Fieser rules), aromatic systems and their derivatives.

C07: To know about the number of degrees of freedom of vibration, modes of vibration and, Vibrational coupling overtones and Fermi resonance.

C08: To study the brief discussion of identification of functional groups alkanes, alkenes, aromatics, carboxylic acids, carbonyl compounds (aldehydes and ketones, esters), amides and amines.

C09: To study the principle, instrumentation and applications of Raman Spectra

COURSE : M.Sc 1st Semester (Theory)


Course Code : CHES-1.5

Subject: Analytical Chemistry

Course Outcomes	P01	P02	P03	P04	PS01	PS02	PS03	PS04	PS05
C01	2	2	3	3	1	3	3	2	3
C02	1	1	3	2	3	3	3	2	3
C03	-	2	1	3	3	3	3	2	3
C04	-	3	2	2	3	3	3	2	3
C05	3	2	1	3	3	3	3	2	3
C06	2	3	2	1	3	3	3	2	3
C07	2	1	1	3	3	3	3	2	3
C08	-	3	2	1	3	3	3	2	3
C09	-	3	1	1	3	3	3	2	3


Co-ordinator,
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IQAE, Co-ordinator
S.B.Arts & K.C.P. Science College,
Vijayapur.


Principal,
S.B.Arts & K.C.P. Science College
BIJAPUR.

EVALUATION MAPPING


THEORY:

- Marks Distribution :
1. Internal Assessment = 20 marks
 2. University Examination = 80 marks

Sl No	Parameter	Percentage (%)
1	Knowledge	20
2	Understanding	25
3	Numericals	10
4	Descriptive	45


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