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SUBJECT CODE NO: - YY-2322
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (CBCGS)(Pattern 2022) S.Y SEM IV
Examination April / May - 2024
Chemistry-XIII Applied Chemistry

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B.

- 1) All questions are compulsory.
- 2) Draw diagram whenever necessary.
- 3) Use Only blue or black pen for writing.
- 4) Figures to right indicates full Marks. Attempt multiple choice questions

Q1 Attempt multiple choice questions

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- 1) from the following which molecule is IR inactive
a) Cl_2 b) HCl c) H_2O d) H_2S
- 2) Selection rule for IR spectra is _____.
a) ± 2 b) ± 3 c) ± 1 d) None of these
- 3) The solid Samples are analysed in IR spectroscopic analysis by _____.
a) Preparing a solution b) Using a mulling agent
c) Pyrolysis d) All of these
- 4) Raman effect is _____.
a) absorption of light b) Emission of light
c) In elastic Scattering of light d) None of these.
- 5) Which one of the following is an example of basic dye _____.
a) Aniline yellow b) Congo red
c) Alizarin d) Indigo
- 6) _____ is the colour of Iron oxide
a) Black b) White c) Red Brown d) Pink
- 7) Co-ordination polymerization is catalysed by _____.
a) Ziegler Natta b) Wurtz agent
c) Reducing agent d) None of these



