

7.
 - a. Discuss the effect of solvent polarity on λ_{max} of $n \rightarrow \pi^*$ excitation.
 - b. Explain the principle of FT-NMR.
8.
 - a. Describe the specific applications of ion exchange chromatography.
 - b. Briefly describe generation of X-rays in X-ray crystallography.

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.