

PROGRAMME NAME: M.Sc. (CHEMISTRY)
YEAR: I
SEMESTER-II
COURSE NAME: PHYSICAL CHEMISTRY-II

Note:-attempt all questions.

- 1 Explain Frank Condon principle.
- 2 Write photo chemistry of environment.
- 3 Write notes on:-
 - (a) Different there of photo chemical recitation.
 - (b) Green home effect.
- 4 Describe various types of electronic transition occurs in photochemistry.
- 5 Explain Jablonski diagram with details.
- 6 Write radioactive and non-radioactive photo-physical pathway of incited molecular system.
- 7 Explain fluorescence delayed fluorescence and phosphorescence
- 8 Write details about fluorescence relation.
- 9 Write notes on Stern -Volmer Equation
- 10 Write Arrhenius theory of electrolytic dissociation and give its importance.