

Course Code: 2MSC3
Course: Physical Chemistry-II
Credit: 3
Last Submission Date: October 31, (for January session)
April 30 (for July Session)

Max. Marks:-30
Min. Marks:-11

Note:-attempt all questions.

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