

Course Code: 1MSC1  
Course: Inorganic Chemistry.-I  
Credit: 3  
Last Submission Date: April 30 (for January Session)  
October 31, (for July session)

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

Note:-attempt all questions.

- Que1. What is black body radiation? Explain.
- Que2. Explain photoelectric effect?
- Que3. Explain Walsh diagram?
- Que4. What is bent rule? Explain?
- Que5. What is transition element? Write general characteristic & properties of transition Element.
- Que6. Explain John-Teller effect?
- Que7. Write notes on:-
- (1) Ferredoxin
  - (2) Iron sulphur protein
  - (3) PS-I, PS-II
- Que8. What is bioinorganic chemistry? Write role of metal ions in biological process.
- Que9. Write symmetry elements & symmetry operation?
- Que10. Definition of group & subgroup? Write point symmetry group.