

INORGANIC CHEMISTRY (BS103)

B.E. (Chemical)-MBA 2nd Semester

B.E. (Food Tech.) 2nd Semester

Mid-term Semester Exam

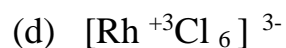
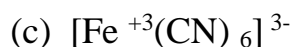
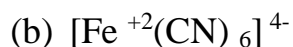
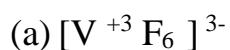
Max. Marks: 18

Time :1h

Q1. Explain why O_2 is paramagnetic according to MOT . (5)

Q2 Diagrammatically show crystal field splitting in octahedral complexes. (4)

Q3 Give the no. of unpaired electrons for the following (4)



Q4. $[Hg(CN)_6]^{2-}$ is a stable but labile complex . Explain (3)

Q5. With the help of an example, explain synergic effect in organometallic compounds. (2)