

- Q-5** Explain factors affecting the stability of metal complexes (14)
- Q-6** **Attempt all questions** (14)
a) Discuss properties of lanthanides. (7)
b) Explain oxidation states of lanthanides. (7)
- Q-7** **Attempt all questions** (14)
a) Write electronic configuration, name and symbol of any ten lanthanides. (8)
b) Discuss oxidation state and color of actinides. (6)
- Q-8** **Attempt all questions** (14)
a) Write uses of lanthanides. (6)
b) Write electronic configuration, name and symbol of any ten actinides. (8)

