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Paper Code :DSC-109

Roll No.

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B.Sc. (ZBC)-3, B.Sc.(PCM)-5
1st Year Examination, Calendar Batch 2017
Inorganic Chemistry

Time : 3 Hours]

[Max. Marks : 100

Note. Attempt any Five questions. All questions carry equal marks.

- Q.1** Give a brief account of the compounds of noble gases?
- Q.2** Define the natural radio activity? Describe the properties of radioactive rays.
- Q.3** Explain the dual nature of an electron.
- Q.4** What are the chelate compounds?
- Q.5** Mention the various series of transition elements by giving their electronic configurations?
- Q.6** Explain the theory of radioactive disintegration.
- Q.7** Explain hybridization? How shapes of molecules are related to the type of hybridization.
- Q.8** Describe the application of electro-negativity in explaining the chemical behavior?