



SHREE H. N. SHUKLA GROUP OF COLLEGES

(AFFILIATED TO SAURASHTRA UNIVERSITY & GTU)

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M.Sc. Chemistry Internal/prelims exam

Semester II C-201 Inorganic chemistry

Time: 1 hour

Date: --/--/----

Total marks: 30

Q 1. Give the answer of following questions (1 marks each)

5 marks

1. Draw the structure of Ni-DMG complex.
2. Give the structure of pyragallol.
3. Give the name of functional group present in cationic exchanger.
4. Give the structure of dithiozone.
5. Give the name of functional group present in anionic exchanger.

Q 2. Give the answer of following questions (2 marks each)

10 marks

1. Discuss the preparation of Cupferron.
2. Discuss the preparation of dithiozone.
3. Discuss the application of ion exchange chromatography.
4. Write down note about different ion exchanger used in ion exchange chromatography.
5. Write the application of DMG catalyst in different organic reaction.

Q 3. Give the answer of following questions (5 marks each)

15 marks

1. Discuss the separation of cobalt nickel by ion exchange chromatography.
2. Discuss the separation of Chloride- bromide by ion exchange chromatography
3. Write note of different type of ion exchangers.

***** All the Best*****