

B.B.M. COLLEGE BALIAPUR

DHANBAD

Internal Exam – 2022

SEMESTER – VI

Class – B.Sc. (Hons) Time – 1hr

Sub. – Chemistry (Core-13) F.M. – 10

Inorganic Chemistry

Answer any two question

1. Give the synthesis and application of silicones.
- 2- Give the synthesis of Borozine and its important properties.
3. Write notes on-
(a) Sodium pump (b) Carbonic anhydrate.
4. Give the reasons for toxicity of metal ions

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Answer Any Two Question

Organic Chemistry

Answer any two question

1. What do you mean by Bath ochromic & hypsochromic shifts ?
2. Determine the cyclic structure of D (+) glucose.
3. What is Muta rotation? Give its Mechanism.
4. Give killian Fischer synthesis.

(Old pentose to Oldohexose.)

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Sub. – Chemistry (DSE- 3) F.M. – 10

Green Chemistry

Answer any two question

1. Who created the twelve principles of green chemistry? Write twelve principles of green chemistry with explanation.
2. What is atom economy in green chemistry? How do you calculate the atom economy of reaction?
3. Provide green route for the synthesis of any two
a) Paracetamol b) Ibuprofen c) Furfural
4. Explain the following.
a) Green chemistry is sustainable chemistry
b) Green solvents.

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Sub. – Chemistry (DSE- 4) F.M. – 10

Industrial Chemistry and Environment

Answer any two question

1. a) Discuss the manufacture of bleaching powder.
b) Discuss any one Method for the analysis of available chlorine in bleaching powder.
2. Discuss the manufacture and application of potassium permanganate.
3. a) What do you mean by global warming.
b) Discuss the different factors responsible for global warming.
4. Describe Ostwald process for manufacture of nitric acid and mention its important properties.

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Internal Exam – 2022-23

SEMESTER – VI

Class – B.Sc. (GEN)

Time – 1hr

Sub. – Chemistry

F.M. – 10