

RayatShikshanSantha's
Rajarshi Chhatrapati Shahu College, Kolhapur
B.Sc. (Part-III ,Sem-VI) Preliminary Examination(2017-2018)
Subject: Inorganic Chemistry P-XIV

Instructions – All questions are compulsory

Marks:40

Figure to right indicate full marks.

Draw a neat labelled diagram whenever necessary.

Use of scientific calculator is allowed.

Q1 Select the most correct alternatives from among those given below

(08)

1).....is essential structural element for all organism

a) Na b) Ca c) Au d) Ag .

2) Purest form of iron is..... Iron

a) Pig b) Wrought c) Steel d) Cast

3) L.D Process was developed by

a) Bessemer b) Burrel c) Lintzer d) Faraday

4) Elements after Uranium Called

a) Trans uranic b) Transition c) Lantanoides d) P-block

5) In Nuclear reactor Graphite is used as

a) Catalyst b) Fuel c) Moderator d) Coolant

6) Complexes which do not undergo substitution are known as

a) Labile b) Stable c) Unstable d) Inert

7) In dissociative mechanism bond..... is important

a) Making b) Breaking c) Partial making d) Not making

8) In interchange mechanism intermediate is lived 9) DMG is used to precipitate

a) Long b) Short c) Not d) Very long

Q.2) Answer the following (Any Two)

(20)

1) What is trans effect ? Discuss polarization theory of trans effect

2) Draw neat labelled diagram of Bismar furnace Explain in brief and give its advantages

3) Explain the relation between thermodynamics and kinetic stability

Q.3) Write a short note (Any Three)

(12)

1) Distinguish between fusion and fission reaction

2) Distinguish between Bismar process and L.D. process

3) Write a short note on L.D. process

4) Write a short note on age determination by using radioactivity.

5) Anation reaction