

CITY COLLEGE
CHEMISTRY- HONOURS

B.SC Semester 5 Internal Assessment (online), under CU 2020-21
Paper: DSE-B-1

Full Marks – 10

Attempt all the questions.

- 1) Brass is an alloy of -
(a) Cu+Zn (b) Cu+Sn (c) Fe+Zn (d) Fe+Sn

- 2) What is sterling silver used for?
(a) casting of firearms (b) used for making cutlery
(c) used for making springs (d) used for joining two metals

- 3) The formula of Wilkinson's catalyst is -
(a) $\text{RhCl}(\text{PPh}_3)_3$ (b) $\text{Al}(\text{C}_2\text{H}_5)_3 + \text{TiCl}_4$
(c) $[\text{RhI}_2(\text{CO})_2]^-$ (d) $\text{Co}(\text{OAc})_2/\text{HBr}$

- 4) Which of the following is incorrect for a catalyst?
(a) Catalyst does not start a reaction
(b) Catalyst shifts the equilibrium constant of a reaction
(c) Co-enzymes increase the activity of an enzyme
(d) All of the above

- 5) Primers are used -
(a) before painting a surface (b) after painting
(c) together with paint (d) None of the above

- 6) Ordinary Portland Cement has -
(a) C3S 40% + C2S 20% (b) C3S 20% + C2S 40%
(c) C3S 50% + C2S 50% (d) None of the above

- 7) Disadvantages of OPC are -
(a) High heat of hydration (b) Low durability
(c) Low cohesive force (d) All of the above

8) Chemical fertilisers are generally classified according to their -

- (a) Calcium Phosphate content (b) NPK content
(c) Ammonium Phosphate content (d) Urea content

9) Which of the following is not a ceramic –

- (a) Silicon Carbide (b) Boron Nitride
(c) Cement (d) Copper Sulphate

10) Blue coloured glass contains -

- (a) SeO_2 (b) MnO_2 (c) CoO (d) TiO_2