

SET - I
LALBABA COLLEGE
CHEMISTRY – GENERAL
INTERNAL ASSESSMENT
SEM (V) DSE A – 2021
FULL MARKS – 10
TIME – HALF HRS

ANSWER ANY TEN QUESTIONS WITH TICK (✓) MARK

NAME:

ROLL NO.

REGISTRATION NO.

1. Which of the following is incorrect for a catalyst?

- (a) Bio-chemical reactions are mostly catalysed by enzymes
- (b) Catalyst does not start a reaction
- (c) Catalyst changes the equilibrium constant of a reaction
- (d) Co-enzymes increase the activity of an enzyme

2. How does a catalyst increase the rate of a reaction?

- (a) By forming an intermediate complex
- (b) By increasing activation energy
- (c) By lowering the activation energy
- (d) By changing equilibrium constant

3. Which of the following is used as a catalyst in the lead chamber process?

- (a) Nitrogen oxides
- (b) Pt
- (c) Ni
- (d) V_2O_5

4. Which of the following is incorrect for enzymes?

- (a) Enzymes are specific
- (b) Most of the enzymes are protein
- (c) Reactivity of enzymes is least at optimum temperature
- (d) High temperature and UV rays can denature enzymes

5. The substance that increases the speed of a chemical reaction is called?

- (a) Inhibitor
- (b) Promoter
- (c) Catalyst
- (d) Moderator

6. Which of the following is not an example of heterogeneous catalytic reaction?

- (a) Haber's process
- (b) Combustion of coal
- (c) Hydrogenation of vegetable oils
- (d) Ostwald's process

7. Cement is formed by strongly heating a mixture of

- (a) Chalk and graphite
- (b) Lime stone and clay
- (c) Graphite and clay
- (d) None of these

8. White cement is used for

- (a) Plastering
- (b) Ornamental
- (c) Floor finishes
- (d) All

9. What is the maximum service temperature of aluminosilicate glass?

- (a) 220°C
- (b) 460°C
- (c) 650°C
- (d) 1200°C

10. What is the crown type of glasses?

- (a) Laboratory apparatus grade
- (b) Optical grade
- (c) Sealing type
- (d) Ultraviolet transmitting type

11. Which salt of potassium consist highest amount of NaCl?

- (a) Carnallite
- (b) Sylvinite
- (c) Hard salt
- (d) Langbeinite

12. Which component in remain as “final liquor” in KCl recovery process?

- (a) NaCl
- (b) K_2O
- (c) K_2SO_4
- (d) $MgCl_2$

13. How liquid NH_3 fertilizer can be produced?

- (a) By the gypsum process
- (b) By fauser process
- (c) By solvay process
- (d) From NH_3 and HCl

14. Which of the following is not an alloy?

- (a) Steel
- (b) Copper
- (c) Brass
- (d) Bronze

15. Which of the metal if present will make the alloy ferrous?

- (a) Aluminium
- (b) lead
- (c) Zinc
- (d) Iron