

SET - II
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 used as a catalyst in the contact process?

- (a) V_2O_5
- (b) Fe_2O_3
- (c) Ag_2O
- (d) SO_3

2. Which of the following is known as Lindlar's catalyst?

- (a) Na in liquid NH_3
- (b) Pt in ethanol
- (c) Pd with $BaSO_4$
- (d) Ni in ethanol

3. Which of the following is changed in a chemical reaction due to a catalyst?

- (a) Internal energy
- (b) Entropy
- (c) Enthalpy
- (d) Activation energy

4. catalyst used in the Haber's process for the manufacturing of ammonia from N_2 and H_2 is

- (a) Iron
- (b) Nickel
- (c) Palladium
- (d) Vanadium Pentoxide

5. At the end of the chemical reaction the catalyst remains

- (a) Unchanged in quantity but changed in composition
- (b) Unchanged in quantity and composition
- (c) Unchanged in composition but changed in quantity
- (d) Changed in quantity and composition

6. soundness of cement tested by

- (a) Le Chatelier's
- (b) Vicat's Apparatus
- (c) Barometer
- (d) None of these

7. Setting time of cement is measured by

- (a) Vicat's Apparatus
- (b) Le Chatelier's
- (c) Hygrometer
- (d) None of these

8. Which cement is most commonly used in under water construction where pumping is involved

- (a) Low heat cement
- (b) Quick setting cement
- (c) Rapid hardening cement
- (d) None of these

9. Active materials of a lead acid cell are

- (a) Spongy lead
- (b) Lead peroxide
- (c) Dilute H_2SO_4
- (d) All of the above

10. Which is the electrolyte used in Li-ion battery?

- (a) Lead dioxide
- (b) Lithium-based gel
- (c) SO_2
- (d) Cobalt

11. From where K_2SO_4 is recovered?

- (a) Epsom salts
- (b) Hard salts
- (c) Baracite
- (d) Rock salt

12. An alloy can be one of the following type

- (a) Homogeneous
- (b) Heterogeneous
- (c) Intermetallic
- (d) All of the above

13. The solubility of tin in copper above $580^\circ C$

- (a) decreases
- (b) increases
- (c) remains constant

14. What is the maximum usable temperature of soda like glass?

- (a) 860 F
- (b) 941 F
- (c) 1084 F
- (d) 1324 F,

15. What is the range of specific energy in Watt-hour per kg in a lithium-ion battery?

- (a) 0-50
- (b) 100-265
- (c) 50-60
- (d) 60-100