

Chemistry(Objective)

(GROUP-II)

Time:20 Minutes

Marks:17

RWP-2-24

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A, B, C & D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with marker or pen ink on the answer sheet provided.

- 1.1. Which one of the following is **NOT** present in all proteins?
(A) Carbon (B) Hydrogen (C) Nitrogen (D) Sulphur
2. For which crop, Ammonium Nitrate fertilizer is **NOT** used?
(A) Cotton (B) Wheat (C) Sugarcane (D) Paddy rice
3. PAN is an irritant to human beings and it affects:
(A) Eyes (B) Ears (C) Stomach (D) Nose
4. In purification of potable water, the coagulant used is:
(A) Nickel Sulphate (B) Copper Sulphate (C) Barium Sulphate (D) Aluminium Sulphate
5. The correct statement is:
(A) $Na^+ < Na$ (B) $Na^+ > Na$ (C) $Cl^- < Cl$ (D) $Cl^- = Cl$
6. The oxide of Be is:
(A) Acidic (B) Basic (C) Amphoteric (D) Neutral
7. The aluminium oxide is:
(A) Acidic (B) Amphoteric (C) Basic (D) Neutral
8. The laughing gas is chemically:
(A) NO (B) NO₂ (C) N₂O₄ (D) N₂O
9. Which halogen occurs naturally in a positive oxidation state?
(A) I₂ (B) F₂ (C) Br₂ (D) Cl₂
10. The strength of binding energy of transition elements depends upon:
(A) No. of electron pairs (B) No. of protons (C) No. of neutrons (D) No. of unpaired electrons
11. The chemist who synthesized urea from ammonium cyanate was:
(A) Berzelius (B) Kolbe (C) Wohler (D) Lavoisier
12. Synthetic rubber is made by polymerization of:
(A) Chloroform (B) Acetylene (C) Divinyl acetylene (D) Chloroprene
13. During nitration of benzene, the active nitrating agent is:
(A) NO₃ (B) NO₂ (C) NO₂ (D) HNO₃
14. For which mechanisms, the first step involved is the same:
(A) E₁ and E₂ (B) E₂ and S_N2 (C) S_N1 and E₂ (D) E₁ and S_N1
15. Ethanol can be converted into ethanoic acid by:
(A) Hydrogenation (B) Hydration (C) Oxidation (D) Fermentation
16. Ketones are prepared by the oxidation of:
(A) Primary alcohol (B) Secondary alcohol (C) Tertiary alcohol (D) Dimethyl ether
17. Which of the following is not a fatty acid?
(A) Propanoic acid (B) Acetic acid (C) Phthalic acid (D) Butanoic acid

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