

1۔ ہر سوال کے سامنے چار دائرے دئے گئے ہیں، صرف صحیح جواب والا دائرہ بھریں۔

2۔ دائروں کو شیڈ (بھرنے) کے لئے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

3۔ جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time Allowed: 20 Minutes

SECTION – A

Marks : 18

1	Which one of the given is an amphoteric oxide?	☐ Na ₂ O	☐ SiO ₂	☐ Al ₂ O ₃	☐ NO ₂
2	Which one of the given carbonates decomposes on heating?	☐ Li ₂ CO ₃	☐ Na ₂ CO ₃	☐ K ₂ CO ₃	☐ Rb ₂ CO ₃
3	Which one of the given oxides does not react with water?	☐ SiO ₂	☐ NO ₂	☐ SO ₃	☐ Cl ₂ O
4	The oxidation state of chromium in CrO ₂ Cl ₂ is.....	☐ 2	☐ 3	☐ 4	☐ 6
5	The coordination number of iron in [Fe(CN) ₆] ⁴⁻ is	☐ 9	☐ 3	☐ 4	☐ 6
6	The first transition element in 3d series is	☐ Ti	☐ Se	☐ V	☐ Zn
7	Which of the given is coal gas?	☐ CO + NH ₃	☐ CO + CH ₄	☐ CO + H ₂	☐ CO + C ₂ H ₂
8	The hemolytic fission of C–C bond in ethane gives an intermediate in which C ishybridized.	☐ sp ³	☐ sp ²	☐ sp	☐ d ² sp ³
9	The addition product of Grignard reagent with formaldehyde givesupon hydrolysis.	☐ P-alcohol	☐ S-alcohol	☐ t-alcohol	☐ Ketone
10	Cu ⁺ (3d ¹⁰) is	☐ Colourless	☐ Blue	☐ Green	☐ Purple
11	In which of the given compounds the central atom does not show sp ² hybridization?	☐ Methanol	☐ Methanal	☐ Methanoic acid	☐ Acetone
12	Which of the given compounds can react with ammonical silver nitrate solution to form silver mirror?	☐ Acetone	☐ Ethanol	☐ Ether	☐ Ethanal
13	The reduction of >C=O to >CH_2 is carried out with	☐ Wolf Kishner reduction	☐ Catalytic reduction	☐ Zn – Hg and Cone. HCl	☐ LiAlH ₄
14	How many types of NMR protons are there in butanoic acid?	☐ 8	☐ 2	☐ 6	☐ 4
15	In which of the given disaccharides both the structural units are the same?	☐ Maltose	☐ Lactose	☐ Sucrose	☐ All of these
16	The temperature (C°) range of troposphere is	☐ 15 to –56	☐ –56 to –2	☐ –2 to –92	☐ –92 to 1200
17	Ethoxy ethane reacts with conc. H ₂ SO ₄ to give.....	☐ Oxonium ion	☐ Oxoanion	☐ Alkyl free radical	☐ Zwitter ion
18	Which one of the given is condensation polymer?	☐ PVC	☐ Polythene	☐ Nylon	☐ None of these