

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