

# Chemistry

PR – XII (A-I-A2) (24)

۱۔ ہر سوال کے سامنے چار دائرے دیئے گئے ہیں۔ صرف صحیح جواب والا دائرہ بھر دیں۔

۲۔ دائروں کو شیڈ (بھرنے) کے لیے نیلے یا کالے رنگ کا پین استعمال کریں۔

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

Time: 20 Min

## SECTION-A

Marks: 18

- Which of the given acids is found in rancid butter?  
  $C_2H_4O_2$      $C_8H_6O_2$      $C_4H_8O_2$      $C_6H_{10}O_2$
- Which of the given is the strongest acid?  
 Ethanol    Acetic acid  
 Chloroacetic acid    Fluoro acetic acid
- Steroids belong to the family of:  
 Protein    Lipid    Enzyme    Carbohydrates
- Which of the given is condensation polymer?  
 PVC    Polythene    Nylon    Rubber
- Photochemical smog is primarily caused by:  
 CO     $CO_2$      $O_2$      $NO_2$
- UV ranges from:  
 400-800 nm    800-1200 nm  
 1200-1611 nm    10-400 nm
- Which of the given halide is most reactive towards nucleophilic substitution reaction?  
  $C_2H_5F$      $C_2H_5Cl$      $C_2H_5Br$      $C_2H_5I$
- The end product of reaction of Grignard reagent with ethyl acetate is:  
 Primary alcohol    Secondary alcohol  
 Tertiary alcohol    None of these
- Oxidation of secondary alcohols gives;  
 Carboxylic acid    Ether  
 Aldehyde    Ketone
- Phenol containing 5% of water is known as:  
 Carbolic acid    Picric acid  
 Ethanoic acid    Methanoic acid
- The carbon of the carbonyl group is:  
  $sp^3$ -hybridized     $sp^2$ -hybridized  
  $sp$ -hybridized    Un-hybridized
- Which of the given compounds can react with ammoniacal silver nitrate solution to form silver mirror:  
 Acetone    Ethanol    Ether    Ethanal
- Which of the given metal sulphates is almost insoluble in water?  
  $Na_2SO_4$      $K_2SO_4$      $CaSO_4$      $BaSO_4$
- The coordination number of iron in  $[Fe(CN)_6]^{-4}$  is:  
 2    3    4    6
- Pyridine belongs to which class of organic compounds?  
 Heterocyclic    Homocyclic  
 Alicyclic    Acyclic
- Which of the given represents the functional group of amides:  
 -COOR     $NH_2$      $CONH_2$      $-C \equiv N$
- Which one of the given compounds exhibit geometric isomerism?  
 1-butane    2-butane  
 2-butyne    2-Methyl propane
- Which one of the given is O/P direction but deactivates benzene ring?  
 -Cl     $-NH_2$     -OH     $-OCH_3$