PDF FILES AVAILABLE IN MY WEBSITE - www.ravitestpapers.com

TEST ANSWERS AVAILABLE IN MY BLOG- www.ravitestpapers.in

MY YOUTUBE CHANNEL NAME- RAVI TEST PAPERS

JOIN MY PAID WHATSAPP GROUP 8056206308 FOR DPPS WITH ANSWERS Questions: 60 Time: 01:00 hh:mm Marks: 61 Q1. In these questions, a statement of assertion followed by a statement of reason is given. Choose the 2 Marks correct answer out of the following choices. **Assertion:** Ortho substituted anilines are usually weaker bases than anilines. Reason: This is due to ortho effect. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. **Q2.** Assertion (A): $(CH_3)_3$ C $-O-CH_3$ gives $(CH_3)_3$ C-I and CH_3OH on treatment with HI. 1 Mark **Reason (R):** The reaction occurs by S_N1 mechanism. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). C Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q3. Assertion (A): 0.1M solution of KCl has greater osmotic pressure than 0.1M solution of glucose at same 1 Mark temperature. **Reason (R):** In solution, KCl dissociates to produce more number of particles. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). C Assertion (A) is correct, but Reason (R) is wrong D Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q4. Assertion (A): An ideal solution obeys Henry's law. 1 Mark Reason (R): In an ideal solution, solute-solute as well as solventsolvent interactions are similar to solutesolvent interaction. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). C Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q5. Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** The complex $[Cr(H_2O)_3Cl_3]$ does not give precipitate with AgNO₃ solution. **Reason (R):** The complex $[Cr(H_2O)_3Cl_3]$ is non-ionizable. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **D** Assertion (A) is correct, but Reason (R) is **C** Assertion (A) is correct, but Reason (R) is incorrect statement. incorrect statement. Q6. Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** The molecularity of the reaction H2 + Br₂ \rightarrow 2HBr appears to be 2. **Reason (R):** Two molecules of the reactants are involved in the given elementary reaction. **B** Both Assertion (A) and Reason (R) are correct A Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct

> JOIN 10TH/12TH CBSE PAID WHATSAPP GROUP TODAY WITH PDF ANSWERS. ONE TIME FEES RS.1000 TILL FINAL BOARD EXAM

explanation of the Assertion (A).

explanation of the Assertion (A).

C Assertion (A) is correct, but Reason (R) is **D** Assertion (A) is incorrect, but Reason (R) is incorrect statement. correct statement. Q7. Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** Sucrose is a non-reducing sugar. **Reason (R):** Reducing groups of glucose and fructose are involved in glycosidic bond formation. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is **D** Assertion (A) is incorrect, but Reason (R) is incorrect statement. correct statement. **Q8.** Assertion (A): For complex reactions molecularity and order are not same. 1 Mark **Reason (R):** Order of reaction may be zero. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. 1 Mark Q9. Assertion (A): Hydrolysis of an ester follows first order kinetics. **Reason (R):** Concentration of water remains nearly constant during the course of the reaction. **B** Both Assertion (A) and Reason (R) are correct A Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. **Q10Assertion (A):** F_2 has low reactivity. 1 Mark **Reason (R):** F-F bond has low Δ_{bond} H° **B** Both Assertion (A) and Reason (R) are correct A Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). C Assertion (A) is correct, but Reason (R) is wrong Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q11.For Questions two statements are given — one labelled as Assertion (A) and the other labelled as Reason 1 Mark (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **Assertion** (A): $(C_2H_5)_2NH$ is more basic than $(C_2H_5)_3N$ in aqueous solution. **Reason** (R): In $(C_2H_5)_2NH$, there is more steric hindrance and +I effect than $(C_2H_5)_3N$. A Both Assertion (A) and Reason (R) are true and **B** Both Assertion (A) and Reason (R) are true, but Reason (R) is the correct explanation of the Reason (R) is not the correct explanation of the Assertion (A). Assertion (A). **C** Assertion (A) is true, but Reason (R) is false. **D** Assertion (A) is false, but Reason (R) is true. Q12.Two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** F - F bond in F_2 molecule is weak. Reason (R): F atom is small in size. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **D** Assertion (A) is incorrect, but Reason (R) is **C** Assertion (A) is correct, but Reason (R) is correct statement. incorrect statement. Q13.Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** Acetic acid is stronger than formic acid. **Reason (R):** In acetic acid, the electron releasing methyl group makes it difficult to break the O – H bond. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A).

C Assertion (A) is correct, but Reason (R) is **D** Assertion (A) is correct, but Reason (R) is incorrect statement. incorrect statement. **Q14Assertion (A):** F_2 is a strong oxidising agent. 1 Mark **Reason (R):** Electron gain enthalpy of fluorine is less negative. **B** Both Assertion (A) and Reason (R) are correct A Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q15.Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** Sucrose is a non-reducing sugar. **Reason (R):** Sucrose has glycosidic linkage. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, and Reason (R) is the correct statements, but Reason (R) is not the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is **D** Assertion (A) is incorrect, but Reason (R) is incorrect statement. correct statement. Q16For Questions two statements are given — one labelled as Assertion (A) and the other labelled as Reason 1 Mark (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **Assertion (A):** The pKa of ethanoic acid is lower than that of $CI - CH_2 - COOH$. Reason (R): Chlorine shows electron withdrawing (I) effect which increases the acidic character of CI -CH₂ COOH. **B** Both Assertion (A) and Reason (R) are true, but A Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of the Reason (R) is the correct explanation of the Assertion (A). Assertion (A). **C** Assertion (A) is true, but Reason (R) is false. **D** Assertion (A) is false, but Reason (R) is true. Q17For Questions two statements are given — one labelled as Assertion (A) and the other labelled as Reason 1 Mark (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **Assertion (A):** Ammonolysis of alkyl halides is not a suitable method for the preparation of pure primary amines. **Reason (R):** Ammonolysis of alkyl halides yields mainly secondary amines. A Both Assertion (A) and Reason (R) are true and **B** Both Assertion (A) and Reason (R) are true, but Reason (R) is the correct explanation of the Reason (R) is not the correct explanation of the Assertion (A). Assertion (A). **C** Assertion (A) is true, but Reason (R) is false. **D** Assertion (A) is false, but Reason (R) is true. Q18.Two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the 1 Mark correct answer to these questions from the codes (a), (b), (c) and (d) as given below: **Assertion (A):** The C–O–H bond angle in alcohols is slightly less than the tetrahedral angle. **Reason (R):** This is due to the repulsive interaction between the two lone electron pairs on oxygen. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, but Reason (R) is not the correct statements, and Reason (R) is the correct explanation of the Assertion (A). explanation of the Assertion (A). C Assertion (A) is correct, but Reason (R) is **D** Assertion (A) is correct, but Reason (R) is incorrect statement. incorrect statement. Q19For Questions number 15 to 18, two statements are given — one labelled as Assertion (A) and the other 1 Mark labelled as Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **Assertion (A):** -NH₂ group is o- and p-directing in electrophilic substitution reactions. **Reason (R):** Aniline cannot undergo Friedel-Crafts reaction.

C Assertion (A) is true, but Reason (R) is false. D Assertion (A) is false, but Reason (R) is true.

Q20Assertion (A): Oxidation of ketones is easier than aldehydes.

1 Mark

ANSWERS. ONE TIME FEES RS.1000 TILL FINAL BOARD EXAM

Assertion (A).

B Both Assertion (A) and Reason (R) are true, but

Reason (R) is not the correct explanation of the

Reason (R): C-C bond of ketones is stronger than C-H bond of aldehydes.

A Both Assertion (A) and Reason (R) are true and

Reason (R) is the correct explanation of the

Assertion (A).

A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, but Reason (R) is not the correct statements, and Reason (R) is the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. **Q21Assertion (A):** Elevation in boiling point is a colligative property. 1 Mark **Reason (R):** Elevation in boiling point is directly proportional to molarity. A Both Assertion (A) and Reason (R) are correct **B** Both Assertion (A) and Reason (R) are correct statements, but Reason (R) is not the correct statements, and Reason (R) is the correct explanation of the Assertion (A). explanation of the Assertion (A). **C** Assertion (A) is correct, but Reason (R) is wrong **D** Assertion (A) is wrong, but Reason (R) is correct statement. statement. Q22In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** The decomposition of NH₃ on finely divided platinum surface is first order when the concentration is low, however at higher concentration, the reaction becomes zero order. **Reason:** In first order reaction, the rate of reaction is proportional to the first power of the concentration of the reactant. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q23In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. Assertion: Tollens' reagent, Benedict's solution and Fehling's solution are reducing agents. **Reason:** Mild oxidising agents like chlorine or bromine water convert glucose into gluconic acid. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is wrong statement. correct statement. 1 Mark **Q24**In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** Kinetics explains the reaction mechanism. **Reason:** Kinetics explains the formation of products. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. 1 Mark correct answer out of the following choices. **Assertion:** Water boils at 373K as the vapour pressure at this temperature becomes equal to atmospheric

Q25In these questions, a statement of assertion followed by a statement of reason is given. Choose the

pressure.

Reason: Vapour pressure of water is less than 1.013 bar at 373K.

- **A** Assertion and reason both are correct statements and reason is correct explanation for assertion.
 - for assertion.
- **C** Assertion is correct statement but reason is wrong statement.
- **D** Assertion is wrong statement but reason is correct statement.

statements but reason is not correct explanation

B Assertion and reason both are correct

Q26In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: Controlled nitration of aniline at low temperature mainly gives m-nitroaniline.

Reason: In acidic medium, -NH₂ group gets converted into m-directing group.

A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q27In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** The observed conductance depends upon the nature of the electrolyte and the concentration of the solution. **Reason:** The cell constant of a cell depends upon the nature of the material of the electrodes. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for for assertion. assertion. C Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is correct statement. wrong statement. **Q28**In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Ammonia is more basic than water. **Reason:** Nitrogen is less electronegative than oxygen. B Assertion and reason both are correct A Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is D Assertion is wrong statement but reason is wrong statement. correct statement. Q29In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. Assertion: Carboxylic acids have higher boiling points than alkanes. **Reason:** Carboxylic acids are resonance hybrids. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation for assertion. assertion. **C** Assertion is correct statement but reason is Assertion is wrong statement but reason is correct statement. wrong statement. Q30In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Auric chloride (AuCl₃) solution cannot be stored in a vessel made of copper, iron, nickel, chromium, zinc or tin. Reason: Gold is a very precious metal. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q31In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** On increasing dilution, the specific conductance keep on increasing. Reason: On increasing dilution, degree of ionisation of weak electrolyte increases and molality of ions also increases. A If both Assertion and Reason are correct and **B** If both Assertion and Reason are correct but the Reason is a correct explanation of the Reason is not a correct explanation of the Assertion. Assertion. **C** If the Assertion is correct but Reason is **D** If both the Assertion and Reason are incorrect. incorrect. 1 Mark Q32In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

JOIN 10TH/12TH CBSE PAID WHATSAPP GROUP TODAY WITH PDF

Assertion: In ammonolysis, the order of reactivity of halides with amines is R-1 < R-Br > R-CI.

Reason: Ammonolysis is a nucleophilic substitution reaction. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. 1 Mark Q33In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** $[Cu(NH_3)_4]^{2+}$ is coloured while $[Cu(CN)_4]^{3-}$ ion is colourless. **Reason:** $[Cu(NH_3)_4]^{2+}$ has dsp^2 hybridisation. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. C Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is correct statement. wrong statement. Q34In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Molar conductivity of a weak electrolyte at infinite dilution cannot be determined experimentally. **Reason:** Kohlrausch law helps to find the molar conductivity of a weak electrolyte at infinite dilution. **B** Assertion and reason both are correct A Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **D** Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is correct statement. wrong statement. Q35In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. Assertion: Aromatic aldehydes and formaldehyde undergo Cannizzaro reaction. Reason: Aromatic aldehydes are almost as reactive as formaldehyde. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **D** Assertion is wrong statement but reason is C Assertion is correct statement but reason is correct statement. wrong statement. Q36In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Boiling point of amines are lower than those of alcohols and carboxylic acids. **Reason:** Amines are much more soluble in water than less polar solvents like alcohol, ether, etc. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **D** Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is wrong statement. correct statement. Q37In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** The rate of reaction is always negative. **Reason:** Minus sign used in expressing the rate shows that concentration of product is decreasing. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is correct statement. wrong statement. 1 Mark Q38In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** The electrical resistance of any object decreases with increase in its length. **Reason:** The electrical resistance of any object decreases with increase in its area of cross-section.

A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q39In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Sodium chloride used to clear snow on the roads. **Reason:** Sodium chloride depresses the freezing point of water. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. **Q40**In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Carboxylic acids are stabilised by resonance. **Reason:** Chloroacetic acid is weaker than acetic acid. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion. C Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q41In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Zinc displaces copper from copper sulphate solution. **Reason:** E° of zinc is -0.76V and that of copper is +0.34V. **B** Assertion and reason both are correct A Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is wrong statement. correct statement. 1 Mark Q42In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** Tert-Butyl alcohol undergoes acid catalysed dehydration readily than propanol. **Reason:** 3º Alcohols do not give Victor-Meyer's test. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is correct statement. wrong statement. 1 Mark Q43In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** Reverse osmosis is used in the desalination of sea water. **Reason:** When pressure more than osmotic pressure is applied, pure water is squeezed out of the sea water through the membrane. **A** Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation for assertion. assertion. C Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. **Q44**In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** In Hoffmann bromamide reaction, the amine formed has one carbon atom less than the parent 1° amide. **Reason:** N-methyl acetamide undergoes Hoffmann bromamide reaction.

A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q45In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** p-Anisidine is weaker base than aniline. **Reason:** OCH₃ group in anisidine exerts +R effect. A Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. **Q46**In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** 50% of a zero order reaction is completed in 100sec, therefore, 75% reaction will be completed in 150sec. **Reason:** The rate constant of a zero order reaction depends upon time. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. C Assertion is correct statement but reason is D Assertion is wrong statement but reason is wrong statement. correct statement. Q47In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Substances like glass, ceramics, etc. having very low conductivity are known as insulators. Reason: They do not allow the passage of electric current through them. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation for assertion. assertion. **C** Assertion is correct statement but reason is Assertion is wrong statement but reason is correct statement. wrong statement. Q48In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Fluoroacetic acid is stronger than chloroacetic acid. **Reason:** Carboxylic acids are weak acids and turn blue litmus red. **B** Assertion and reason both are correct A Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q49In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices Assertion: Carbon-halogen bond in aryl halide has partial double bond character. **Reason:** Aryl halides undergo nucleophilic substitution easily. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **D** Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is correct statement. wrong statement. 1 Mark Q50In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices. **Assertion:** Primary and secondary alcohols can be distinguished by Victor-Meyer's test. Reason: Primary alcohols form nitrolic acid which dissolves in NaOH to form blood red colouration but secondary alcohols form pseudonitrols which give blue colouration with NaOH.

A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is correct statement. wrong statement. Q51In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Half-life period of a reaction of first order is independent of initial concentration. **Reason:** Half-life period for a first order reaction, $t_{\frac{1}{2}} = \frac{2.303}{k} \log 2$ A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q52In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** The vapour pressure of a liquid decreases if some non-volatile solute is dissolved in it. **Reason:** The relative lowering of vapour pressure of a solution containing a non-volatile solute is equal to the mole fraction of the solute in the solution. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **C** Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q53In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Carbylamine reaction involves the reaction between 1° amine and chloroform in basic medium. **Reason:** In carbylamine reaction, -NH₂ group is converted into - NC group. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. C Assertion is correct statement but reason is **D** Assertion is wrong statement but reason is wrong statement. correct statement. Q54In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** Benzyl chloride is more reactive than p-chlorotoluene towards aqueous NaOH. **Reason:** The C - Cl bond in benzyl chloride is more polar than C - Cl bond in p-chlorotoluene. A Assertion and reason both are correct **B** Assertion and reason both are correct statements and reason is correct explanation for statements but reason is not correct explanation assertion. for assertion. **D** Assertion is wrong statement but reason is **C** Assertion is correct statement but reason is wrong statement. correct statement. Q55In these questions, a statement of assertion followed by a statement of reason is given. Choose the 1 Mark correct answer out of the following choices. **Assertion:** The rate of the reaction is the rate of change of concentration of a reactant or a product. **Reason:** Rate of reaction remains constant during the complete reaction. **A** Assertion and reason both are correct **B** Assertion and reason both are correct statements but reason is not correct explanation statements and reason is correct explanation for assertion. for assertion.

Q56In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: If blood cells are placed in pure water, they swell and burst.

C Assertion is correct statement but reason is

wrong statement.

D Assertion is wrong statement but reason is

correct statement.

Reason: Due to osmosis, the movement of water molecules into the cell, dilutes the salt content.

- A Assertion and reason both are correct statements and reason is correct explanation for assertion.
- **C** Assertion is correct statement but reason is wrong statement.
- **B** Assertion and reason both are correct statements but reason is not correct explanation for assertion.
- **D** Assertion is wrong statement but reason is correct statement.

Q57In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: The rate law equation can be found only by experiment.

Reason: It can be written from stoichiometric equation.

- A Assertion and reason both are correct statements and reason is correct explanation for assertion.
- C Assertion is correct statement but reason is
- **B** Assertion and reason both are correct statements but reason is not correct explanation for assertion.
- **D** Assertion is wrong statement but reason is correct statement.

Q58In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: $[Al(NH_3)_6]^{3+}$ does not exist in aqueous solution.

Reason: NH₃ is a neutral ligand.

wrong statement.

- A Assertion and reason both are correct statements and reason is correct explanation for assertion.
- **C** Assertion is correct statement but reason is wrong statement.
- **B** Assertion and reason both are correct statements but reason is not correct explanation for assertion.
- D Assertion is wrong statement but reason is correct statement.

Q59In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: Chemical kinetics deals with the rate of reaction, the factors affecting the rates of the reactions and the mechanism by which the reaction proceed.

Reason: Nature of reactants, concentration of reactants, products and catalyst affect the rate of reaction.

- A Assertion and reason both are correct statements and reason is correct explanation for assertion.
- C Assertion is correct statement but reason is wrong statement.
- **B** Assertion and reason both are correct statements but reason is not correct explanation for assertion.
- **D** Assertion is wrong statement but reason is correct statement.

Q60In these questions, a statement of assertion followed by a statement of reason is given. Choose the correct answer out of the following choices.

1 Mark

Assertion: Presence of acids and bases activates carbonyl compounds for reaction.

Reason: Carbonyl compounds possess positive and negative centres and provide a seat for electrophilic and nucleophilic attack.

- A Assertion and reason both are correct statements and reason is correct explanation for assertion.
- **C** Assertion is correct statement but reason is wrong statement.
- **B** Assertion and reason both are correct statements but reason is not correct explanation for assertion.
- **D** Assertion is wrong statement but reason is correct statement.

JOIN 10TH & 12TH PAID WHATSAPP GROUP

1ST DEC 2025 TO FEB 2026

UPLOAD DAILY ONE SUBJECT FULL TEST PAPER

TEST GROUP FEES RS.1000 ONLY

ALL TEST PAPERS WITH ANSWERS UPLOAD IN YOUR WHATSAPP

FREE USERS CHECK ALL SAME PAPERS UPLOAD IN MY WEBSITES. YOU CAN DOWNLOAD AND PRACTICE

RAVI TEST PAPERS & NOTES WHATSAPP – 8056206308

CHECK FREE TEST PAPERS www.ravitestpapers.com & www.ravitestpapers.in

JOIN 10TH/12TH CBSE PAID WHATSAPP GROUP TODAY WITH PDF ANSWERS. ONE TIME FEES RS.1000 TILL FINAL BOARD EXAM