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## CHEMISTRY

## BOOKS - MHTCET PREVIOUS YEAR PAPERS AND PRACTICE PAPERS

## MHTCET 2015

Chemistry

1. Which of the following will be most stable diazonium salt $R N_{2}^{+} X^{-}$?.
A. $\mathrm{C}_{6} \mathrm{H}_{5} \mathrm{CH}_{2} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
B. $\mathrm{CH}_{3} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
C. $\mathrm{CH}_{3} \mathrm{CH}_{2} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
D. $C_{6} H_{5} N_{2}^{+} X^{-}$

Answer: d

## - Watch Video Solution

2. Electronic configuration of only one $P$ block element is exceptional one molecuale of that element consists of how many atoms of it ?
A. one
B. two
C. three
D. four

## Answer: a

## D Watch Video Solution

3. The correct IUPAC name $\left[\mathrm{Co}\left(\mathrm{NH}_{3}\right)_{3}\left(\mathrm{NO}_{2}\right)_{3}\right]$ is
A. Triammine trinitro N cobalt (III)
B. Triammine trinitro N cobalt (II)
C. Triammine cobalt (III) nitrite
D. Triammine trinitro N cobaltate (III)

## ( Watch Video Solution

4. If $\mathrm{M}, \mathrm{W}$ and V represent molar mass of solute then mass of solute and volume of solution in litres respecitively which among following equation is true ?
А. $\pi=\frac{M W R}{T V}$
B. $\pi=\frac{T M R}{W V}$
С. $\pi=\frac{T W R}{V M}$
D. $\pi=\frac{T R V}{W M}$
5. The replacement of diazonium group by fluorine is known as
A. gattermann reaction
B. sandmeyer reaction
C. balz schiemann reaction
D. etard reaction

Answer: c

- Watch Video Solution

6. For which among the following reactions change in entrophy is less than zero?
A. sublimation of iodine
B. dissociation of hydrogen
C. formation of water
D. thermal decomposition of calcium carbonate

## Answer: b

## D Watch Video Solution

7. 

$\left[\operatorname{Cr}\left(\mathrm{NH}_{3}\right)_{6}\right] \operatorname{Cr}(S \mathrm{CN})_{6}$
and
$\left[\mathrm{Cr}\left(\mathrm{NH}_{3}\right)_{2}(\mathrm{SCN})_{4}\right]\left[\mathrm{Cr}\left(\mathrm{NH}_{3}\right)_{4}(\mathrm{SCN})_{2}\right]$ are the
examples of what type of isomerism?
A. Ionisation isomerism
B. linkage isomerism
C. coordination isomerism
D. solvate isomerism

## Answer: c

## - Watch Video Solution

8. For the reaction $O_{3(g)}+O_{(g)} \rightarrow 2 O_{2(g)}$, if the rate law expression is , rate $=k\left[O_{3}\right][O]$ the molecularity and order of the reaction are respectively
A. 2 and 2
B. 2 and 133
C. 2 and 1
D. 1 and 2

## Answer: A

## D Watch Video Solution

9. 

$$
R-C-N+2 H \frac{(i) S n C I_{2} / \text { dill. } H C I}{(i i) H_{3} O^{+}} R C H O+N H_{4} C I
$$

this reaction is known as
A. Etard reaction
B. stephen reaction
C. hell volhard zelinsky reaction
D. balz schiemann reaction

Answer: b

- Watch Video Solution

10. Select a ferromagnetic material from the following
A. dioxygen
B. chromium (IV) oxide
C. benzene
D. dihydrogen monoxide

## - Watch Video Solution

11. What is the volume of water consumed during acid hydrolysis of 1.368 kg of surose?
A. $0.072 d m^{3}$
B. $0.72 d m^{3}$
C. $0.18 d m^{3}$
D. $0.018 d m^{3}$

Answer: a
12. The process in which metal surface is made inactive is called
A. passivation
B. galvanising
C. corrosion
D. pickling

Answer: a

- Watch Video Solution

13. Which among the following group 15 element forms most stable pentavalent compound ?
A. phosphorus
B. antimony
C. bismuth
D. arsenic

## Answer: a

## D View Text Solution

14. Which among the following functional groups has been given the highest priority while assigning R-S
configuration
A. $-C_{6} H_{5}$
B. $-C N$
C. $-C_{2} H_{5}$
D. $-\mathrm{CH}_{3}$

## Answer: b

## - Watch Video Solution

15. Give $\mathrm{R}=8.314 \mathrm{JK}^{-1} \mathrm{~mol}^{-1}$ the work done during combustion of 0.090 kg of ethane (molar mass=30) at 300 K is
A. $-18.7 k J$
B. $18.7 k J$
C. $6.234 k J$
D. $-6.234 k J$

Answer: b

## - View Text Solution

16. Potassium dichromate is a good oxidising agent in acidic medium the oxidation state of chromium changes by
A. 2
B. 3
C. 4
D. 5

Answer: b

## D Watch Video Solution

17. Diethyl amine when treated with nitros acid yields
A. diethyl alcohol
B. N nitroso diethyl amine
C. N nitroso diethyl amne
D. triethyl ammonium nitrite

## - View Text Solution

18. What is the most abundant element on earth ?
A. hydrogen
B. nitrogen
C. oxygen
D. silicon

## Answer: c

19. The overall reaction taking place at anode during eelctrolysis of fused sodium chloride using suitable electrode is
A. oxidation of chloride
B. reduction of sodium ions
C. redsuction of chlorine
D. oxidation of sodium atoms

Answer: a

## D Watch Video Solution

20. The only radioactive element among the lanthanoids
is
A. gadolinium
B. holmium
C. promethium
D. neodymium

## Answer: c

## - Watch Video Solution

21. Identify a metallloid from the following list of elements
A. carbon
B. neon
C. sodium
D. tellurium

Answer: d

## - Watch Video Solution

22. What is the chemical composition of Nicol prism ?
A. $A l_{2} O_{3}$
B. $\mathrm{CaSO}_{4}$
C. $\mathrm{CaCO}_{3}$
D. $N a_{3} A l F_{6}$

## Answer: c

## - Watch Video Solution

23. Identify the heteropolymer from the list given below
A. polythene
B. nylon 6
C. teflon
D. nylon 6-6
24. What is the basicity of orthophosphorous acid ?
A. one
B. two
C. three
D. four

Answer: b

- Watch Video Solution

25. The correct order of reactivity of aldehydes and ketones towards hydrogen cyanide is

A. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{CH}_{3} \mathrm{CHO}>\mathrm{HCHO}$<br>B. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{HCHO}>\mathrm{CH}_{3} \mathrm{CHO}$<br>C. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{HCHO}$<br>D. $\mathrm{HCHO}>\mathrm{CH}_{3} \mathrm{CHO}>\mathrm{CH}_{3} \mathrm{COCH}_{3}$

## Answer: d

## - View Text Solution

26. Which among the following is a feature of adiabatic expansion?
A. $\Delta V<0$
B. $\Delta U<0$
C. $\Delta U>0$
D. $\Delta T=0$

## Answer: d

## D Watch Video Solution

27. Molarity is defined as
A. the number of moles of solute dissolved in $1 d m^{3}$
of the solution
B. the number of moles of solute dissolved in 1 kg of solvent
C. the number of moles of solute dissolved in $1 d m^{3}$ of the solvent
D. the number of moles of solute dissolved in 100 mL of the solvent

## Answer: a

## D Watch Video Solution

28. What is the possible number of monohydroxy derivatives of a hydrocarbon consisting of five carbon
atoms with one methyl group as a branch ?
A. 2
B. 3
C. 4
D. 5

## Answer: b

## D Watch Video Solution

29. Calculate the work done during compression of 2 mol of an ideal gas from a volume of $1 \mathrm{~m}^{3}$ to $10 \mathrm{dm}^{3} 300$ K against a pressure of 100 KPa .
A. 99 kJ
B. $-99 k J$
C. 114.9 kJ
D. $-114.9 k J$

## Answer: a

## D Watch Video Solution

30. Which among the following alloys is used in making instruments for electrical measurements?
A. stainless steel
B. manganin

# C. spiegeleisen 

D. duralumin

Answer: b

## - Watch Video Solution

31. Which of the following proteins is globular?
A. collagen
B. albumin
C. myosin
D. fibroin

## D Watch Video Solution

32. A mixture of benzaldehyde and formaldehyde when treated with $50 \% \mathrm{NaOH}$ yields
A. sodium benzoate and sodium formate
B. sodium formate and benzyl alcohol
C. sodium benzoate and methyl alcohol
D. benzyl alcohol and methyl alcohol

Answer: b
33. Which among the following solution is not used in deterination of the cell constant ?
A. $10^{-2} M K C I$
B. $10^{-1} \mathrm{MKCI}$
C. 1 MKCl
D. saturated KCl

Answer: d
34. Which halogen forms an oxyacid that contains the halogen atom in tripositive oxidation state?
A. fluorine
B. chlorine
C. bromine
D. lodine

## Answer: b

## - View Text Solution

35. Name the metl that is purified by plcing the impure metal on sloping hearth of reverberatory furnace and
heating that above its melting point in the absence of air
A. mercury
B. gallium
C. ziroconium
D. copper

Answer: d

## D Watch Video Solution

36. Which among the following is a tranquilizer?
A. aspirin
B. valium
C. penicillin
D. suphanilamide

Answer: b

## D Watch Video Solution

37. chlorination of ethane is carried out in the presence of
A. anhydrous $A I B r_{3}$
B. mercuric chloride `ultraviolet light
C. zinc

## D. chloride

## Answer: c

## - View Text Solution

38. Identify a 'Chemical twin' among the foolowings.
A. $\mathrm{Zr}-\mathrm{Ta}$
B. Nb-Tc
C. Hf-Re
D. Nb-Ta

Answer: d
39. The relationship between rate constant and half life period of zero order reaction is give by
A. $t_{1 / 2}=\left[A_{0}\right] 2 K$
B. $t_{1 / 2}=\frac{0.693}{K}$
C. $t_{1 / 2}=\frac{\left(A_{0}\right)}{2 K}$
D. $t_{1 / 2}=\frac{2\left[A_{0}\right]}{K}$

## Answer: c

40. Which polymer among the following does not soften on heating ?
A. bakelite
B. polythene
C. polystyrene
D. pvc

## Answer: a

## D Watch Video Solution

41. Van't Hoff factor of a centinormal solution of
$K_{3}\left[F e(C N)_{6}\right]$ is 3.333. The precentage dissociation of
$K_{3}\left[\mathrm{Fe}\left(C N_{6}\right)_{6}\right]$ is :
A. 33.33
B. 0.78
C. 78
D. 23.33

## Answer: c

## D Watch Video Solution

42. Which of the following compounds is most acidic in nature?
A. 4 chlorobutanoic acid
B. 3 chlorobutanoic acid
C. 2 chlorobutanoic acid
D. butanoic acid

## Answer: c

## - Watch Video Solution

43. How is ore of aluminium concentrated ?
A. roasting
B. leaching
C. froth floatation
D. using wilfley table

Answer: b

## - Watch Video Solution

44. Which of the following compounds has highest boiiling point?
A. propan 1 ol
B. n butane
C. chloroethane
D. propanal

Answer: a
45. Which metal among the following has the highest pakcing efficiency?
A. iron
B. tungsten
C. aluminium
D. polonium

Answer: c
46. Which oxiacid of suphur contains S-S bond in its structure?
A. disulphurous acid
B. disulphuric acid
C. peroxydisulphuric acid
D. hydrosulphurous acid

## Answer: a

## D View Text Solution

47. Which amoing the following detergents is non ionic in character?
A. sodium lauryl suplhate
B. penteaerythrityl stearate
C. cetyl trimethyl ammonium chloride
D. sodium n dodecyl benzene suplhonate

## Answer: b

## D Watch Video Solution

48. Reaction of which among the following ethers with

HI in cold leads to the formation of methyl alcohol?
A. etyhy methyl ether
B. methyl proplyl ether
C. isopropyl methyl ether
D. tert butyl methyl ether

## Answer: d

## - View Text Solution

49. During conversion of glucose into glucose cyanohydrin which functional group/ atom of glucose is replaced?
A. hydrogen
B. aldehydic group
C. primary alcoholic group
D. secondary alcoholic group

Answer: b

## - Watch Video Solution

50. Half life period of first order reaction $A \rightarrow$ product is 6.93 h what is the value of rate constant ?
A. $1.596 h^{-1}$
B. $0.1 h^{-1}$
C. $4.802 h^{-1}$
D. $10 h^{-1}$

## D View Text Solution

51. Which of the following is the most stable diazonium salt?
A. $\mathrm{C}_{6} \mathrm{H}_{5} \mathrm{CH}_{2} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
B. $\mathrm{CH}_{3} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
C. $\mathrm{CH}_{3} \mathrm{CH}_{2} \mathrm{~N}_{2}^{+} \mathrm{X}^{-}$
D. $C_{6} H_{5} N_{2}^{+} X^{-}$

Answer: d
52. Electronic configuration of only one $P$ block element is exceptional one molecuale of that element consists of how many atoms of it ?
A. one
B. two
C. three
D. four

Answer: a

D View Text Solution
53. The correct IUPAC name $\left[\mathrm{Co}\left(\mathrm{NH}_{3}\right)_{3}\left(\mathrm{NO}_{2}\right)_{3}\right]$ is
A. Triammine trinitro N cobalt (III)
B. Triammine trinitro N cobalt (II)
C. Triammine cobalt (III) nitrite
D. Triammine trinitro N cobaltate (III)

## Answer: a

## D View Text Solution

54. If $M, W$ and $V$ represent molar mass of solute then mass of solute and volume of solution in litres respecitively which among following equation is true?

$$
\text { А. } \pi=\frac{M W R}{T V}
$$

B. $\pi=\frac{T M R}{W V}$
C. $\pi=\frac{T W R}{V M}$
D. $\pi=\frac{T R V}{W M}$

Answer: c

## - View Text Solution

55. The replacement of diazonium group by fluorine is known as
A. gattermann reaction
B. sandmeyer reaction
C. balz schiemann reaction

D. etard reaction

## Answer: c

## - View Text Solution

56. For which among the following reactions change in entrophy is less than zero ?
A. sublimation of iodine
B. dissociation of hydrogen
C. formation of water
D. thermal decomposition of calcium carbonate

## - View Text Solution

57. 

$\left[\mathrm{Cr}\left(\mathrm{NH}_{3}\right)_{6}\right] \mathrm{Cr}(\mathrm{SCN})_{6}$
and
$\left[\mathrm{Cr}\left(\mathrm{NH}_{3}\right)_{2}(\mathrm{SCN})_{4}\right]\left[\mathrm{Cr}\left(\mathrm{NH}_{3}\right)_{4}(\mathrm{SCN})_{2}\right]$ are the examples of what type of isomerism ?
A. lonisation isomerism
B. linkage isomerism
C. coordination isomerism
D. solvate isomerism

## Answer: c

58. For the reaction $O_{3}(g)+O(g) \rightarrow 2 O_{2}(g)$ if the rate law expression is rate $=K\left[O_{3}\right][O]$ eh molecularity and order of the reaction respectively are
A. 2 and 2
B. 2 and 133
C. 2 and 1
D. 1 and 2

Answer: a

- View Text Solution

59. 

$R-\mathrm{C}-\mathrm{N}+2 \mathrm{H} \frac{(i) \mathrm{SnCI} I_{2} \text { dill. } \mathrm{HCI}}{(i i) \mathrm{H}_{3} \mathrm{O}^{+}} \mathrm{RCHO}+\mathrm{NH}_{4} \mathrm{CI}$
this reaction is known as
A. Etard reaction
B. stephen reaction
C. hell volhard zelinsky reaction
D. balz schiemann reaction

## Answer: b

## - View Text Solution

60. Select a ferromagnetic material from the following
A. dioxygen
B. chromium (IV) oxide
C. benzene
D. dihydrogen monoxide

Answer: b

## - View Text Solution

61. What is the volume of water consumed during acid hydrolysis of 1.368 kg of surose?
A. $0.072 d m^{3}$
B. $0.0720 d m^{3}$
C. $0.18 d m^{3}$
D. $0.018 d m^{3}$

## Answer: a

## - View Text Solution

62. The process in which metal surface is made inactive is called
A. passivation
B. galvanising
C. corrosion
D. pickling

## - View Text Solution

63. Which among the following group 15 element forms most stable pentavalent compound ?
A. phosphorus
B. antimony
C. bismuth
D. arsenic

Answer: a
64. Which among the following functional groups has been given the highest priority while assigning R-S configuration
A. $-C_{6} H_{5}$
B. $-C N$
C. $-\mathrm{C}_{2} \mathrm{H}_{5}$
D. $-\mathrm{CH}_{3}$

Answer: b

- View Text Solution

65. Give $\mathrm{R}=8.314 \mathrm{JK}^{-1} \mathrm{~mol}^{-1}$ the work done during combustion of 0.090 kg of ethane (molar mass=30) at 300 K is
A. -18.7 kJ
B. 18.7 kJ
C. $6.234 k J$
D. $-6.234 k J$

Answer: b
66. Potassium dichromate is a good oxidising agent in acidic medium the oxidation state of chromium changes by
A. 2
B. 3
C. 4
D. 5

Answer: b

## - View Text Solution

67. Diethyl amine when treated with nitros acid yields
A. diethyl alcohol
B. N nitroso diethyl amine
C. N nitroso diethyl amne
D. triethyl ammonium nitrite

## Answer: c

## - View Text Solution

68. What is the most abundant element on earth ?
A. hydrogen
B. nitrogen
C. oxygen

D. silicon

## Answer: c

## - View Text Solution

69. The overall reaction taking place at anode during eelctrolysis of fused sodium chloride using suitable electrode is
A. oxidation of chloride
B. reduction of sodium ions
C. redsuction of chlorine
D. oxidation of sodium atoms

## - View Text Solution

70. The only radioactive element among the lanthanoids
is
A. gadolinium
B. holmium
C. promethium
D. neodymium

Answer: c
71. Identify a metallloid from the following list of elements
A. carbon
B. neon
C. sodium
D. tellurium

Answer: d

## - View Text Solution

72. What is the chemical composition of Nicol prism ?
A. $A I_{2} O_{3}$
B. $\mathrm{CaSO}_{4}$
C. $\mathrm{CaCO}_{3}$
D. $N a_{3} A I F_{6}$

## Answer: c

## - View Text Solution

73. Identify the heteropolymer from the list given below
A. polythene
B. nylon 6
C. teflon
D. nylon 6-6

Answer: d

## D View Text Solution

74. What is the basicity of orthophosphorous acid ?
A. one
B. two
C. three
D. four

Answer: b
75. The correct order of reactivity of aldehydes and ketones towards hydrogen cyanide is
A. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{CH}_{3} \mathrm{CHO}>\mathrm{HCHO}$
B. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{HCHO}>\mathrm{CH}_{3} \mathrm{CHO}$
C. $\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{CH}_{3} \mathrm{COCH}_{3}>\mathrm{HCHO}$
D. $\mathrm{HCHO}>\mathrm{CH}_{3} \mathrm{CHO}>\mathrm{CH}_{3} \mathrm{COCH}_{3}$

## Answer: d

## - View Text Solution

76. Which among the following is a feature of adiabatic expansion?
A. $\Delta V<0$
B. $\Delta U<0$
C. $\Delta U>0$
D. $\Delta T=0$

## Answer: d

## D View Text Solution

77. Molarity is defined as
A. the number of moles of solute dissolved in $1 d m^{3}$
of the solution
B. the number of moles of solute dissolved in 1 kg of
solvent
C. the number of moles of solute dissolved in $1 d m^{3}$
of the solvent
D. the number of moles of solute dissolved in 100 mL
of the solvent

## Answer: A

## - View Text Solution

78. What is the possible number of monohydroxy derivatives of a hydrocarbon consisting of five carbon atoms with one methyl group as a branch ?
A. 2
B. 3
C. 4
D. 5

Answer: b
79. What is the amount of work done when two moles of ideals gas is compressed from a volume of $1 m^{3}$ to $10 \mathrm{dm}^{3}$ at 300 k against a pressure of 100 kPa ?
A. 99 kJ
B. $-99 k J$
C. 114.9 kJ
D. $-114.9 k J$

Answer: a

- View Text Solution

80. Which among the following alloys is used in making instruments for electrical measurements ?
A. stainless steel
B. manganin
C. spiegeleisen
D. duralumin

## Answer: b

## - View Text Solution

81. Which of the following proteins is globular?
A. collagen
B. albumin
C. myosin
D. fibroin

## Answer: b

## - View Text Solution

82. A mixture of benzaldehyde and formaldehyde when treated with $50 \% \mathrm{NaOH}$ yields
A. sodium benzoate and sodium formate
B. sodium formate and benzyl alcohol
C. sodium benzoate and methyl alcohol
D. benzyl alcohol and methyl alcohol

## Answer: b

## - View Text Solution

83. Which among the following solution is not used in deterination of the cell constant ?
A. $10^{-2} M K C I$
B. $10^{-1} \mathrm{MKCI}$
C. 1 MKCI
D. saturated KCl

## - View Text Solution

84. Which halogen forms an oxyacid that contains the
halogen atom in tripositive oxidation state?
A. fluorine
B. chlorine
C. bromine
D. lodine

Answer: b
85. Name the metl that is purified by plcing the impure metal on sloping hearth of reverberatory furnace and heating that above its melting point in the absence of air
A. mercury
B. gallium
C. ziroconium
D. copper

## Answer: d

86. Which among the following is a tranquilizer?
A. aspirin
B. valium
C. penicillin
D. suphanilamide

## Answer: b

## - View Text Solution

87. chlorination of ethane is carried out in the presence
A. anhydrous $\mathrm{AIBr}_{3}$
B. mercuric chloride `ultraviolet light
C. zinc
D. chloride

## Answer: c

## - View Text Solution

88. Identify a chemical twin among the following
A. $\mathrm{Zr}-\mathrm{Ta}$
B. Nb-Tc
C. Hf-Re

D. Nb-Ta

## Answer: d

## - View Text Solution

89. The relationship between rate constant and half life period of zero order reaction is give by
A. $t_{1 / 2}=\left[A_{0}\right] 2 K$
B. $t_{1 / 2}=\frac{0.693}{K}$
C. $t_{1 / 2}=\frac{\left(A_{0}\right)}{2 K}$
D. $t_{1 / 2}=\frac{2\left[A_{0}\right]}{K}$

## Answer: c

90. Which polymer among the following does not soften on heating ?
A. bakelite
B. polythene
C. polystyrene
D. pvc

Answer: a
91. Van 't hoff factor of centimolal solution of $K_{3}\left[F e(C N)_{6}\right]$ is 3.333 calculate the per cent dissociation of $K_{3}\left[\mathrm{Fe}(\mathrm{CN})_{6}\right]$
A. 33.33
B. 0.78
C. 78
D. 23.33

Answer: c

- View Text Solution


# 92. Which of the following compounds is most acidic in 

 nature?A. 4 chlorobutanoic acid
B. 3 chlorobutanoic acid
C. 2 achlorobutanoic acid
D. butanoic acid

## Answer: C

## D View Text Solution

93. How is ore of aluminium concentrated?
A. roasting
B. leaching
C. froth floatation
D. using wilfley table

Answer: b

## - View Text Solution

94. Which of the following compounds has highest boiiling point?
A. propan 1 ol
B. n butane

## C. chloroethane

D. propanal

## Answer: a

## - View Text Solution

95. Which metal among the following has the highest pakcing efficiency?
A. iron
B. tungsten
C. aluminium
D. polonium

## - View Text Solution

96. Which oxiacid of suphur contains $\mathrm{S}-\mathrm{S}$ bond in its structure?
A. disuplhurous acid
B. disuplhuric acid
C. perdisulphuric acid
D. hydrosuphurous acid

Answer: a
97. Which amoing the following detergents is non ionic in character?
A. sodium lauryl suplhate
B. penteaerythrityl stearate
C. cetyl trimethyl ammonium chloride
D. sodium n dodecyl benzene suplhonate

Answer: b

## - View Text Solution

98. Reaction of which among the following ethers with HI in cold leads to the formation of methyl alcohol?
A. etyhy methyl ether
B. methyl proplyl ether
C. isopropyl methyl ether
D. tert butyl methyl ether

## Answer: d

## - View Text Solution

99. During conversion of glucose into glucose cyanohydrin which functional group/ atom of glucose is
replaced?
A. hydrogen
B. aldehydic group
C. primary alcoholic group
D. secondary alcoholic group

## Answer: b

## - View Text Solution

100. Half life period of first order reaction $A \rightarrow$ product is 6.93 h what is the value of rate constant ?
A. $1.596 h^{-1}$
B. $0.1 h^{-1}$
C. $4.802 h^{-1}$
D. $10 h^{-1}$

Answer: b

- View Text Solution

