		PARTICULARS TO BE FILLED IN BY THE CANDIDATE	
		Name of the Candidate	
	1211887	Roll Number	
Paper Code	TDPM/121	Application Number	
		Name of the Centre	
Question Booklet Number	1211887	Centre Code	
		Date of the Test	
Question Paper Series	A	Signature of the Candidate	

Maximum Marks: 100   **Test Duration: 02 hours**

INSTRUCTIONS

- Complete all entries on the cover page and put your signature in the space provided.

- Use only Ball Point Pen (black / blue) for making entries in the Question Booklet and the OMR Answer Sheet.

SEAL

1. The Question Booklet consists of <u>14</u> pages and contains <u>100</u> multiple choice questions (MCQ). Count the number of pages and questions before attempting the questions. Discrepancy, if any, must immediately be brought to the notice of the Invigilator.

2. The Test duration as specified above shall be reckoned from the moment of distribution of the Question Booklets.

3. Blank space in the Question Booklet may be used for rough work.

4. Each MCQ is followed by four alternative answers. Select only one answer, which you consider as the most appropriate. Shade the relevant circle against the corresponding question number on the OMR Answer Sheet. Selecting more than one answer for a question, even if one of the selected answers is correct, would result in its being treated as an incorrect answer.

5. Answers for MCQs should ONLY be marked on the OMR Answer Sheet. No answer should be written/marked on the Question Booklet.

6. The candidate is required to separate the original OMR Answer Sheet and its carbonless copy at the perforation carefully after the Admission Test. He / She shall hand over the original OMR Answer Sheet and Admit Card to the Invigilator before leaving his/her seat and take with him/her the carbonless copy of the OMR Answer Sheet and the Question Booklet.

7. Failure to handover the original OMR Answer Sheet will lead to cancellation of the candidature.

1. The angle of projection for which the maximum height and horizontal range of a projectile are equal is

   (a) $\tan^{-1}(1)$
   (b) $\tan^{-1}(1/4)$
   (c) $\tan^{-1}(4)$
   (d) $\tan^{-1}(2)$

2. The angle through which a cyclist bends when he covers a complete circle having circumference 34.3m in $\sqrt{22}$ seconds will be [Take $g = 9.8$ m/s^2 and $\pi = \frac{22}{7}$]

   (a) $30°$
   (b) $45°$
   (c) $60°$
   (d) $75°$

3. A stone is dropped from a height h. Simultaneously, another stone is thrown up from the ground which reaches a height 4h. The two stones cross each other after time

   (a) $\sqrt{h/g}$
   (b) $\sqrt{h/2g}$
   (c) $\sqrt{2h/g}$
   (d) $\sqrt{h/8g}$

4. A body whose moment of inertia is 3 kg-m^2 is at rest. If it is rotated for 20 second with a moment of force 6 Nm, then the work done is

   (a) 1200 J
   (b) 240 J
   (c) 900 J
   (d) 2400 J

5. Four spheres of diameter 2a and mass M each are placed with their centres on the four corners of a square of side b. The moment of inertia of the system about one side of the square, taken as its axis, is

   (a) $\frac{2}{5}M[4a^2 + 5b^2]$
   (b) $\frac{2}{5}M[5a^2 + 4b^2]$
   (c) $\frac{2}{5}M[2a^2 + 5b^2]$
   (d) $\frac{2}{5}M[5a^2 + 2b^2]$

6. A thin uniform circular ring is rolling down an inclined plane of inclination 30° without slipping. Its linear acceleration along the inclined plane will be (where g is the acceleration due to gravity)

   (a) $\frac{2g}{3}$
   (b) $\frac{g}{2}$
   (c) $\frac{g}{3}$
   (d) $\frac{g}{4}$

7. A body weight 63 N on the surface of the earth. The gravitational force on it due to the earth at a height equal to half the radius of the earth is

   (a) 7 N
   (b) 14 N
   (c) 28 N
   (d) 56 N

8. A planet of mass m is moving around the Sun in an elliptical orbit. If its angular momentum is J then the area swept per second by the line joining the planet and the sun will be (where Ms is the Mass of the Sun)

   (a) $\frac{J}{2(m+Ms)}$
   (b) $\frac{J}{2m}$
   (c) $\frac{J}{2m+Ms}$
   (d) $\frac{J}{m}$

3

9. An ideal fluid flows through a pipe of circular cross section made up of two sections with diameters 2.5 cm and 3.75 cm. The ratio of the velocities in the two sections will be

(a) $9:4$
(b) $3:2$
(c) $\sqrt{3}:\sqrt{2}$
(d) $\sqrt{2}:\sqrt{3}$

10. The Caronot engine, where low temperature reservoir is at 7°C has an efficiency of 50%. It is desired to increase the efficiency to 70%. By how many Kelvin, the temperature of the high-temperature reservoir is to be increased ?

(a) 373.3 K
(b) 173.3 K
(c) 273.3 K
(d) 473.3 K

11. A monoatomic ideal gas, initially at temperature T_1 is enclosed in a cylinder fitted with frictionless piston. The gas is allowed to expand adiabatically to a temperature T_2 by releasing the piston suddenly. If L_1 and L_2 are the length of the gas column before and after expansion respectively, then $\frac{T_1}{T_2}$ is

(a) $\left(\frac{L_1}{L_2}\right)^{2/3}$
(b) $\left(\frac{L_2}{L_1}\right)^{2/3}$
(c) $\left(\frac{L_1}{L_2}\right)^{3/2}$
(d) $\left(\frac{L_2}{L_1}\right)^{3/2}$

12. The root mean square speed of the gas molecules is 500 m/s. What will be the root mean square speed of the molecules if the atomic weight is doubled and absolute temperature is halved ?

(a) 200 m/s
(b) 150 m/s
(c) 250 m/s
(d) 600 m/s

13. The reading of a pressure meter attached to a closed pipe is 2.5×10^5 N/m². On opening the value of the pipe, the reading of the pressure meter reduces to 2.0×10^5 N/m². The speed of water flowing through the pipe is

(a) ' 10 m/s
(b) 100 m/s
(c) 5 m/s
(d) 9 m/s

14. The radii of two spheres are 'a' and 'b' respectively and they are at equal electric potential. The ratio of their surface density of charge is :

(a) $\frac{b}{a}$
(b) $\frac{a^3}{b^3}$
(c) $\frac{b^2}{a^2}$
(d) $\frac{a^2}{b^2}$

15. Two parallel plates have equal and opposite charges. When the space between the plates is evaluated, the electric field intensity is 5×10^{-4} volt/meter. The space is now filled with a dielectric of dielectric constant 2.5. The electric field intensity is now

(a) 1.25×10^4 volt/meter
(b) 2.00×10^4 volt/meter
(c) 1.00×10^4 volt/meter
(d) 12.50×10^4 volt/meter

16. A uniform solid sphere rolls on a horizontal surface at 20 m/s. It then rolls up on incline having an angle of inclination of 30° with the horizontal. If the friction losses are negligible, the value of height h above the ground where the ball stops is

(a) 14.3 m
(b) 18.3 m
(c) 28.6 m
(d) 32.4 m

17. In the following circuit, the emf of the cell is 5V and its internal resistance is negligible. The resistance of the voltmeter is 40Ω. Then the reading of the voltmeter will be
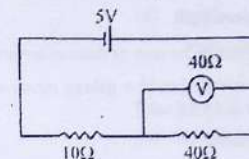
(a) 1.59 V
(b) 2.30 V
(c) 2.89 V
(d) 3.33 V

18. There are two conductors A and B of the same material having lengths, $l/2$ and l and having radii, r and r/2 respectively. The ratio of the resistances will be

(a) $1:2$
(b) $1:3$
(c) $1:6$
(d) $1:8$

19. A coil has 500 turns and a self inductance of 100 mH. The self inductance of a similar coil with 400 turns will be

(a) 32 mH
(b) 64 mH
(c) 16 mH
(d) 128 mH

20. The 'Q' factor of a coil is a measure of its

(a) retentivity
(b) selectivity
(c) self-inductance
(d) mutual inductance

21. An alternating current having peak value 14A is used to bent a metal wire. To produce the same heating effect, a constant current i can be used where i is

(a) 14 A
(b) 7 A
(c) 20 A
(d) 10 A

22. In the following circuit, the ac source gives a voltage, $V = 25\sqrt{2} \cos(1000 t)$. Neglecting source resistance, the voltmeter and ammeter reading will be

$V = 25\sqrt{2} \cos$
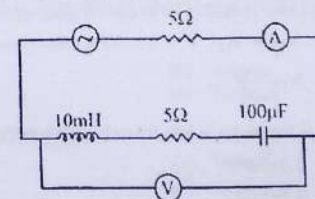
(a) 1.7 A, 1.2 A
(b) 5.7 V, 2.1 A
(c) 0 V, 1.5 A
(d) 12.5 V, 2.5 A

4

5

23. The focal length of a convex lens will be maximum for

(a) green light
(b) red light
(c) blue light
(d) yellow light

24. At what speed should a galaxy move with respect to us so that the sodium line at 589.0 nm is observed at 589.6 nm ?

(a) 6 km/s
(b) 106 km/s
(c) 206 km/s
(d) 306 km/s

25. What focal length should the reading spectacles have for a person for whom the least distance of distinct vision is 50 cm ? (Distance of normal vision is 25 cm)

(a) +30 cm
(b) +50 cm
(c) −30 cm
(d) +20 cm

26. The earth takes 24 hrs to rotate once about its axis. How much time does the sun take to shift by $1°$ when viewed from the earth ?

(a) 2 min.
(b) 4 min
(c) 6 min
(d) 8 min

27. The energy of a 700 nm proton is ($h = 6.6 \times 10^{-34}$ Joule-sec)

(a) 1.77 eV
(b) 17.7 eV
(c) 177 eV
(d) 1770 eV

28. The nuclear radius 'R' is related to its mass number A as :

(a) $R^3 \propto A$
(b) $R^{1/3} \propto A$
(c) $R^2 \propto A$
(d) $R^{1/2} \propto A$

29. A silicon and germanium are not used in the fabrication of light emitting diodes (LED) because of

(a) small value of reverse current
(b) largest value of forward current
(c) small value of energy gap
(d) large value of forward resistance

30. A transistor is said to be in cut-off state when

(a) $V_{CE} = V_{CC}$
(b) $V_{CE} = \frac{1}{2} V_{CC}$
(c) $V_{CE} = 0$
(d) $V_{CE} = \frac{1}{4} V_{CC}$

31. What is the molar solubility of $Ni(OH)_2$ in 0.20M NaOH. (K_{sp} of $Ni(OH)_2 = 2.0 \times 10^{-15}$)

(a) 2.0×10^{-13}
(b) 4.0×10^{-13}
(c) 0.50×10^{-13}
(d) 1.0×10^{-17}

32. The standard Gibbs free energy change is related to equilibrium constant (K_c) is

(a) $K_c = -RT \log \Delta G°$
(b) $K_c = -2.303 \, RT \log \Delta G°$
(c) $K_c = e^{\frac{-\Delta G°}{RT}}$
(d) $K_c = \left(\frac{e}{RT}\right)^{\Delta G°}$

33. Consider the following standard electrode potentials:

$$\frac{K^+}{K} = -2.93V, \; \frac{Ag^+}{Ag} = 0.80V, \; \frac{Hg^{2+}}{Hg} = 0.79V, \; \frac{Mg^{2+}}{Mg} = -2.37V \text{ and } \frac{Cr^{3+}}{Cr} = -0.74V$$

The increasing order of reducing power of these metals would be :

(a) $\frac{K^+}{K}, \frac{Mg^{2+}}{Mg}, \frac{Cr^{3+}}{Cr}, \frac{Hg^{2+}}{Hg}, \frac{Ag^+}{Ag}$
(b) $\frac{Ag^+}{Ag}, \frac{Hg^{2+}}{Hg}, \frac{Cr^{3+}}{Cr}, \frac{Mg^{2+}}{Mg}, \frac{K^+}{K}$
(c) $\frac{Mg^{2+}}{Mg}, \frac{Cr^{3+}}{Cr}, \frac{K^+}{K}, \frac{Hg^{2+}}{Hg}, \frac{Ag^+}{Ag}$
(d) $\frac{K^+}{K}, \frac{Ag^+}{Ag}, \frac{Mg^{2+}}{Mg}, \frac{Cr^{3+}}{Cr}, \frac{Hg^{2+}}{Hg}$

34. The catalyst used in Otwald's process for manufacture of nitric acid is :

(a) molybdenum
(b) finely divided iron
(c) vanadium pentoxide
(d) platinised asbestos

35. The conversion of molecule A to B follows second order kinetics. If the concentration of A is increased four times, then the increase in rate would be

(a) 2 times
(b) 4 times
(c) 8 times
(d) 16 times

36. Chloroform has $\Delta H_{vap.} = 29.2$ kJ/mol and $\Delta S_{vap.} = 87.5$ J/k.mol. What is the boiling point of chloroform is Kelvin ?

(a) 334 K
(b) 323 K
(c) 310 K
(d) 364 K

37. According to Bohr's theory, the angular momentum of an electron in the fourth orbit is

(a) $\frac{h}{2\pi}$
(b) $\frac{h}{4\pi}$
(c) $\frac{2h}{\pi}$
(d) $\frac{3h}{2\pi}$

38. The volume of $\frac{M}{10}$ $KMnO_4$ solution required to react completely with 25 ml of $\frac{M}{5}$ oxalic acid solution is

(a) 40 ml
(b) 20 ml
(c) 10 ml
(d) 2.0 ml

39. The enthalpy of mixing of pure components to form ideal solution is

(a) $\Delta_{mix} H = 0$
(b) $\Delta_{mix} H < 0$
(c) $\Delta_{mix} H > 0$
(d) $0 < \Delta_{mix} H < 1$
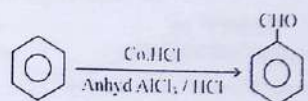
40. When 1 mol of water at 100°C and 1 bar pressure is converted to ice at 0°C, then ΔU is

(a) equal to ΔH
(b) greater than ΔH
(c) smaller than ΔH
(d) zero

41. Considering inert pair effect, the correct order of stability of the dihalides, CCl_2, $SiCl_2$, $SnCl_2$ and $PbCl_2$ will be :

(a) $CCl_2 > SiCl_2 > SnCl_2 > PbCl_2$
(b) $CCl_2 > SiCl_2 > PbCl_2 > SnCl_2$
(c) $PbCl_2 > SnCl_2 > SiCl_2 > CCl_2$
(d) $SnCl_2 > PbCl_2 > SiCl_2 > CCl_2$

42. The correct formula for 'Borazine' is

   (a) $B_3N_3Cl_3$
   (b) $B_3N_3H_6$
   (c) $B_3N_3H_8$
   (d) $B_3N_3H_{12}$

43. Amongst the following which complex ion is expected to be the most stable one ?

   (a) $[Fe(H_2O)_6]^{3+}$
   (b) $[Fe(C_2O_4)_3]^{3-}$
   (c) $[Fe(NH_3)_6]^{3+}$
   (d) $[FeF_6]^{3-}$

44. Orange red $K_2Cr_2O_7$ in alkaline medium turns yellow but on acidification it turns orange again. It refers to the formation of

   (a) Cr_2O_3 and K_2CrO_4
   (b) K_2CrO_4 and $K_2Cr_2O_7$ respectively
   (c) H_2CrO_4 and Cr_2O_3
   (d) K_2CrO_4 and CrO_3

45. Thallium shows stable oxidation state of Tl^+ due to

   (a) Lanthanide contraction
   (b) Metallic character
   (c) Inert pair effect
   (d) It is post actinide element

46. The total number of orbitals associated with the principal quantum number n = 4 is

   (a) 9
   (b) 25
   (e) 16
   (d) 13

47. The correct order of increasing bond dissociation enthalpy for the halogens is

   (a) $I_2 < Cl_2 < F_2 < Br_2$
   (b) $I_2 < Br_2 < F_2 < Cl_2$
   (c) $I_2 < Br_2 < Cl_2 < F_2$
   (d) $I_2 < F_2 < Cl_2 < Br_2$

48. The IUPAC name of $[Ni(CO)_4]$ is

   (a) Tetracarbonyl nickel (II)
   (b) Tetracarbonyl nickel (0)
   (c) Tetracarbonylnickelate (II)
   (d) Tetracaroblynickelate (0)

49. Bauxite ore generally contains

   (a) SiO_2, Iron oxide and TiO_2
   (b) SiO_2 and TiO_2
   (c) SiO_2, MnO_2 and TiO_2
   (d) SiO_2, AlF_3 and TiO_2

50. Calcination involves heating ores to remove

   (a) SiO_2
   (b) Volatile matters
   (c) Green house gases
   (d) Unwanted metal

51. Alcohols act as

   (a) Electrophile
   (b) Nucleophile
   (c) Zwitterions
   (d) (a) & (b) both

52. The reaction in which new carbon-carbon bond is formed is

   (a) Aldol reaction
   (b) Cannizzaro reaction
   (c) Hoffmann bromamide reaction
   (d) Stephen reaction

53. Which of the following compound has highest boiling point ?

   (a) n-Butane
   (b) Ethoxyethane
   (c) Pentan-1-ol
   (d) Pentanal

54. Which of the followings is non reducing sugar ?

   (a) Maltose
   (b) Sucrose
   (c) Lactose
   (d) Starch

55. Which one of the following reagent is used to convert carboxylic acid into primary alcohol in excellent yield ?

   (a) $LiAlH_4$
   (b) Sn, HCl
   (c) DIBAL-H
   (d) H_2, Pd-$BaSO_4$

56. The following reaction

   is known as

   (a) Etard reaction
   (b) Finkelstein reaction
   (c) Gattermann reaction
   (d) Gattermann-Koch reaction

57. Which of the following does not respond to Friedel-Craft reaction

   (a) Furan
   (b) Thiophene
   (c) Benzene
   (d) Aniline

58. Which one of the following is not used to convert ethanol into bromoethane ?

   (a) PBr_3
   (b) Red P/Br_2
   (c) Concentrated aqueous solution of HBr
   (d) Contracted aqueous solution of NaBr

59. Which one of the following statement is correct for carbanions ?

   (a) Carbanion possesses unshared pair of electrons and two pairs of bonding electrons around the central atom
   (b) Carbanion possesses unshared pair of electrons and three pairs of bonding electrons around the central atom
   (c) Carbanion possesses no unshared pair of electrons and central atom is sp^3 hybridized
   (d) Carbanion possesses unshared pair of electrons and central atom is sp^2 hybridized

60. Which of the following is not present in DNA ?

   (a) Cytosine
   (b) Adenine
   (c) Uracil
   (d) Thymine

61. The gametophytic phase of Bryophytes is

   (a) Haploid
   (b) Diploid
   (c) Triploid
   (d) Polyploid

62. In the event of DNA damage by UV radiation, which enzyme removes the damaged segement of a DNA strand ?

   (a) DNA ligase
   (b) DNA helicase
   (c) DNA polymerase
   (d) DNA repair nuclease

8

9

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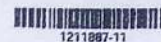
63. Which of the following respiration process/es occur in the mitochondrial matrix ?
    (a) glycolysis
    (b) Krebs cycle
    (c) electron transport chain
    (d) chemiosmosis & oxidative phophrylation

64. "Kranz Anatomy" is found in
    (a) C3 plants
    (b) C4 plants
    (c) CAM plants
    (d) C3 and CAM plants

65. Ammonia in plants is oxidized to nitrite by
    (a) Nitrobacter
    (b) Nitrosomonas
    (c) Bacillusdenitrificans
    (d) Azotobacter

66. The term "Vernalin" was coined by
    (a) Malchers
    (b) Garner
    (c) Abraham
    (d) Khripach

67. In which of the following pairs of drugs, first drug is obtained from a fungus and second on : from a flowering plant ?
    (a) Ergotamine, Taxol
    (b) Ergotamine, L-Dopa
    (c) Papain, Penicillin
    (d) Bromelain, Ergotamine

68. All xylem elements are dead, except
    (a) Tracheids
    (b) Vessels
    (c) Xylem Parenchyma
    (d) Xylem fibers

69. Which of the following colours of light is effective in stomatalopening ?
    (a) Far-red
    (b) Red
    (c) Green
    (d) Blue

70. C4 cycle occurs in :
    (a) tropical plants
    (b) temperate plants
    (c) both temperate and tropical plants
    (d) shade loving plants

71. Main source of ATP for symbiotic nitrogen fixation in root nodules is
    (a) hydrogenase
    (b) malate
    (c) ferredoxin
    (d) pyruvate

72. The membrane bound vesicle involved in intracellular digestion in a cell is
    (a) Lysosome
    (b) Chloroplast
    (c) Ribosome
    (d) Mitochondrion

73. Which component of ETS is mobile electron carrier ?
    (a) Cyt a
    (b) Cyt a-a3
    (c) Cyt b
    (d) Cyt b

74. The cells are held together by a Ca-pectate layer called
    (a) Primary cell wall
    (b) Secondary cell wall
    (c) Tertiary cell wall
    (d) Middle lamella

75. Beta Diversity is diversity
    (a) in a community
    (b) between communities
    (c) in mountain gradient
    (d) on a plain

76. Dolipore septum is the characteristic of
    (a) Phycomycetes
    (b) Basidiomycetes
    (c) Ascomycetes
    (d) Deuteromycetes

77. Which one is not pteridophyte ?
    (a) Selaginella
    (b) Salvinia
    (c) Equistem
    (d) Polytrichum

78. Soil erosion can be prevented by
    (a) Deforestation
    (b) Afforestation
    (c) Overgrazing
    (d) Removal of Vegetation

79. Deletions and insertions of base pair of DNA, causes :
    (a) Silent mutations
    (b) Missense mutations
    (c) Non-sense mutations
    (d) Frameshift mutations

80. Keystone species in a ecosystem are those
    (a) Present is maximum number
    (b) That are not frequent
    (c) Attaining a large biomass
    (d) Contributing to ecosystem properties

81. Which of the following does not possess antenna ?
    (a) Centipede
    (b) Millipede
    (c) Prawn
    (d) Arachnids

82. Ink glands are the characteristic feature of
    (a) star fish
    (b) jelly fish
    (c) cuttle fish
    (d) silver fish

83. Head, visceral mass and foot, are the features of
    (a) Echiondermata
    (b) Mollusca
    (c) Arthropoda
    (d) Urochordata

84. Ornithorhynchus is a
    (a) monotreme mammal
    (b) marsupial mammal
    (c) reptile
    (d) euthherian mammal

85. Platelets are formed by
    (a) erythroblasts
    (b) monoblasts
    (c) myeloblasts
    (d) megakaryocytes

86. The gland, where the whole cell breaks down completely to release its secretary product is called
    (a) merocrine gland
    (b) apocrine gland
    (c) holocrine gland
    (d) exocrine gland

10

11

P.T.O.

87. Which one of the following is an example of glycoprotein ?

    (a) haemoglobin
    (b) lecithin
    (c) mucin
    (d) casein

88. The most common lipids in the cell are

    (a) monoglycerides
    (b) diglycerides
    (c) triglycerides
    (d) polyglycarrides

89. Which of the following organ of man n involved in the urea formation

    (a) Kidney
    (b) Liver
    (c) Lymph node
    (d) Both kidney and liver

90. The following is a part of telencephalon

    (a) cerebrum
    (b) optic lobes
    (c) medula oblongata
    (d) hypothalamus

91. Which of the following is a dominant Mendelian character ?

    (a) wrinkled seed
    (b) green seed coat
    (c) green pod colour
    (d) terminal flower

92. Homologous organs indicate the following phenomenon

    (a) convergent evolution
    (b) parallel evolution
    (c) common descent
    (d) natural selection

93. Crossing of F_1 hybrid to the homozygous recessive parent is called

    (a) back cross
    (b) test cross
    (c) F_2 cross
    (d) dihybrid cross

94. Which of the following pairs is a mismatch ?

    (a) DPT – vaccine
    (b) O^+ - universal acceptor
    (c) DOTS – tuberculosis
    (d) Renin- kidney

95. Which of the following diseases occurs due to allergy ?

    (a) Yellow fever
    (b) Hay fever
    (c) Enteric fever
    (d) Skin cancer

96. The last stable community in the process of succession is called

    (a) Final community
    (b) Seral community
    (c) Climax community
    (d) Ultimate community

97. The system of classification which employs numerical methods for the evaluations of similaritie s and differences between the species is known as

    (a) Biosystematics
    (b) Phenetics
    (c) Cladistics
    (d) Phylogenetic

98. The animal symbol of World Wildlife Fund is

    (a) Red Panda
    (b) Giant Panda
    (c) Tiger
    (d) Rhinoceros

99. Which technique is recommended to diagnose a person suspected to be suffering from acquired immune deficiency syndrome ?

    (a) Ultrasound
    (b) ELISA
    (c) MRI
    (d) Widal

100. Dachigam Sanctuary is located in the state

    (a) Arunachal Pradesh
    (b) Rajasthan
    (c) Jammu and Kashmir
    (d) Tamil Nadu

12

13

P.T.O.

ALIGARH COACHING CENTRE
An Institute of Science & Commerce

ALIGARH MUSLIM UNIVERSITY, ALIGARH
Answer Key Diploma (Paramedical) Courses through C.E.T. Admission Test 2020-21
SERIES: A

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	C	41	C	81	D
2	B	42	B	82	C
3	D	43	B	83	B
4	D	44	B	84	A
5	A	45	C	85	D
6	D	46	C	86	C
7	C	47	B	87	C
8	B	48	B	88	C
9	A	49	A	89	B
10	A	50	B	90	A
11	B	51	D	91	C
12	C	52	A	92	C
13	A	53	C	93	A
14	A	54	B	94	B
15	B	55	A	95	B
16	C	56	D	96	C
17	D	57	D	97	B
18	D	58	D	98	B
19	B	59	B	99	B
20	B	60	C	100	C
21	D	61	A		
22	D	62	D		
23	B	63	B		
24	D	64	B		
25	B	65	B		
26	B	66	A		
27	A	67	B		
28	A	68	C		
29	C	69	D		
30	A	70	A		
31	C	71	D		
32	C	72	A		
33	B	73	D		
34	D	74	D		
35	D	75	B		
36	A	76	B		
37	C	77	D		
38	B	78	B		
39	A	79	D		
40	A	80	D		

COORDINATOR
DATED: 14.11.2020