

**Medical College Admission Test : 2003—2004**

1. What do you mean by- $C_6H_5CONH_2$.
A. Amide B. Aniline
C. Benzamide ✓ D. Ethanamide
2. "Blue Whale" is in which class of Chordata Phylum?
A. Oestricthys
B. Condrictthys
C. Cyclostomata or agnatha
D. Mamalia. ✓
3. The law of preservation of wild animal was compled in-
A. 1973 ✓ B. 1968
C. 1956 D. 1985
4. Which of the following is not a monocarboxylic acid?
A. $CH_3(CH_2)_3-COOH$
B. $CH_3(CH_2)_2-COOH$
C. CH_3-COOH
D. $HOOC-COOH$ ✓
5. "Byson" is an animal of which animal-geographic region?
A. Neotropical region
B. Nearectic region ✓
C. Oriental truebtar redion
D. Ethheopian region
6. How many Nefron is present in each kidney?
A. About 1.2 to 1.4 millions
B. About 1.0 to 1.2 millions ✓
C. About 0.8 to 0.9 millions
D. About 1.3 to 1.5 millions
7. Hexamine is prepared from--
A. Amine B. Ethelene
C. Formalines D. Formaldehyde
8. Which of the following is not a facial bone?
A. Vomax B. Laerimal
C. Nasal bone D. Ethmoid. ✓
9. Which is not the work of placenta at the time of pregnancy?
A. The secretion of progesteron hormone
B. The secretion of relaxine hormone
C. The secretion of lutinizing hormone ✓
D. The essential and waste materials are given and taken between mother and embryo by this.
10. According to the formation, amines etc.
A. 4 types
B. 3 types ✓
C. 2 types
D. 5 types
11. The internal temperature of scrotum is more or less than body cavity by.
A. $2^\circ C$ less B. $3^\circ C$ more
C. $2^\circ C$ more D. $3^\circ C$ less ✓
12. Which one is right for lungs?
A. The right lungs has two parts and left lungs has three parts
B. The right lungs has four parts and left lungs has three parts
C. The right lungs has three parts and left lungs has two parts ✓
D. None of the above.
13. Which of the following is familiar to light oil?
A. Xylene ✓ B. Anthracine
C. Phenol D. Cresole
14. Specific gravity of lymph is-
A. 1.014 B. 1.013
C. 1.012 D. 1.015 ✓
15. The diastol phase time of heart auricle is?
A. 0.3 sec B. 0.8 sec
C. 0.7 sec ✓ D. 0.1 sec
16. $\frac{\text{Output energy}}{\text{Input energy}} = ?$
A. Energy B. Efficiency ✓
C. Work D. None of the above
17. Which valuable stone of the following contains aluminium oxide?
A. Pearl B. Diamond
C. Ruby ✓ D. Coral
18. Which property is not for the Cardiac muscles?
A. Blood circulation is high
B. Striped ✓
C. Muscles fiber is branched
D. Nature is unvoluntary
19. Which of the following can be defined as the negative acceleration?
A. Instantaneous retardation
B. Real retardation
C. Average retardation
D. all of the above ✓
20. What is the atomtization heat oxygen?
A. +106.0 Kj/mol B. +218.0 Kj/mol
C. +249.2 Kj/mol ✓ D. +112.0 Kj/mol





21. Which phase of plasmodium enter to human body with slaver?
A. Merozoite B. Schizont
C. Sporozoite ✓ D. Trophozolite
22. Which of the following is not the use of a simple pendulum?
A. Determination of time
B. Determination of the height of the mountain
C. Determination of the value of gravitational acceleration
D. Determination of length ✓
23. What should be the pH of soil in order to keep it free from microbe?
A. Below 5 or above 8
B. Below 4 or above 7
C. Below 3 or above 10 ✓
D. Below 2 or above 11
24. Voluntary muscles are found?
A. in the wall of kidney
B. in the wall of alimentary canal
C. in the wall of heart
D. in skeleton ✓
25. Which temperature is absolute Zero?
A. -459°F ✓ B. -495°F
C. -594°F D. -945°F
26. What is the boiling point of naphtha?
A. $100-300^{\circ}\text{C}$ ✓ B. $200-400^{\circ}\text{C}$
C. $100-200^{\circ}\text{C}$ D. $120-280^{\circ}\text{C}$
27. The percent of DNA and histone in Chromosome are?
A. 50% and 40% B. 45% and 50%
C. 35% and 55% ✓ D. 25% and 65%
28. Which of the following change is not heat affected?
A. Isobaric Change B. Isochoric Change
C. Isothermal Change
D. Similar properties change ✓
29. What is the ionic radius of Na^{+} ?
A. 98 nm B. 0.098 nm ✓
C. 0.98 nm D. 0.00098 nm
30. Who is called the father of Physiology?
A. Robert Hook B. Salim Ali
C. Ibn Sena D. William Hervay ✓
31. Which one is correct negative sentence- "Man is mortal"?
A. No man is mortal
B. Man is not mortal
C. No man is immortal ✓
D. Man is immortal
32. On which of the following, evaporation doesn't depend on?
A. Nature of liquid
B. Temperature of air ✓
C. Temperature of liquid
D. Humidity of air
33. What is the Oxidation number of Fe in $[\text{Fe}(\text{CN})_6]^{-4}$
A. +4 B. -2
C. +2 ✓ D. -4
34. Which of the following hormone is secreted by the islets of langer hangs of pancreatic?
A. Progesteron B. Estrogen
C. Enterogastron D. Glucagon ✓
35. Which is the correct indirect speech- He said, "Do you know me"?
A. He told me that if I know him.
B. He asked me that if I know him
C. He inquired whether I know him
D. He asked me that whether I knew him ✓
36. Which one is not an irreversible process?
A. radiation B. convection
C. diffusion D. refraction ✓
37. Concentration of a standard solution is-
A. unknown B. equal in all stages
C. definitely known ✓ D. None of the above
38. The father of genetics, Gragor Johan Mendel was born in which country?
A. Austria ✓ B. Italy
C. Germany D. Sweden
39. Which is the right indirect speech- The teacher said to me, "You are wrong."?
A. The teacher said that I am wrong
B. The teacher said to me that I was wrong
C. The teacher told me that I was wrong ✓
D. The teacher told me I was wrong
40. Which of the following is not the classification of motion?
A. Vibratory motion
B. Upward motion ✓
C. Translatory motion
D. Rotatory motion
41. Which of the following is not an inert gas?
A. Radon B. Astatine ✓
C. Xenon D. Krypton





42. Which of the following is a plant of floating stage of hydrosere?
A. Eubrya B. Clinogyne
C. Nymphaea D. Ipomoea ✓
43. Translate into English- 'আমরা অসম লোকদের পছন্দ করি না।'
A. We are not liked by idle people
B. We did not like idle people
C. We do not like idle people ✓
D. Idle people are not our liking
44. Which of the following is not the classification of vectors?
A. Co-planer vectors B. Equal vector
C. Negative vector D. Positive vector ✓
45. How many quantum numbers should be known in order to know the position of an electron in an atom?
A. 3 B. 2
C. 1 D. 4 ✓
46. How many stomata can be remained per centi-metere square of stem depending on the species?
A. 1000 to 60000 ✓ B. 2000 to 50000
C. 2000 to 40000 D. 1000 to 70000
47. Which is the right translation- 'সততাই সর্বোৎকৃষ্ট পথ।'
A. Honesty is the better way
B. Honesty is the best virtue
C. Honesty is the best policy ✓
D. Honesty is the good way
48. Which of the following does not influence the speed of sound?
A. Temperature B. Pressure ✓
C. Density D. Height
49. Atoms having equal mass number but different atomic number are called-
A. Isotope B. Isomer
C. Isobars D. None of the above
50. In how way the cell wall of plant and protoplasm absorbs water?
A. Diffusion B. Imbibition ✓
C. Osmosis D. Absorption
51. What is the present name of "Bramhadesh"?
A. Thailand B. Japan
C. Myanmar ✓ D. Vietnam
52. Which one is correct translation 'আমি জানি আমিই ভীত'?
A. I know Amcer being a coward
B. I know Amcer is coward
C. I know Amcer is a coward ✓
D. I know amcer was coward
53. Which of the following is not photo electric cell?
A. Photo potential cell
B. Photo emission cell
C. Photo refractive cell ✓
D. Photo conductive cell
54. Which of the following is not classification of lattice?
A. Triclinic B. Orthorhombic
C. Di-clinic D. Monoclinic ✓
55. What is the optimum temperature of photo-synthetic reaction depending on the verity of plant?
A. 24°-40°c B. 22°-35°c ✓
C. 15°-25°c D. 35°-50°c
56. Which is the nearest planet of the earth?
A. Saturn B. Mercury
C. Mars ✓ D. Jupiter
57. Which of the following is an accurate passive voice of "All his friends laughed at him"
A. He was laughed over by all his friends
B. He was laughed by all his friends
C. He was laughed at by all his friends ✓
D. He was being laughed by his friends
58. Which of the following is not the property of X-ray?
A. Permittivity is high
B. Unvisible
C. Passes through a straight line
D. Don't destroy the live cell ✓
59. Which of the following is not the classification of structural isomerism?
A. Positional isomerism B. Tautomerism
C. Metamerism D. Stereo-isomerism ✓
60. Which of the following species of microbe is not used to prepare maximum antibiotic at present?
A. Streptomyces B. Penicillium
C. Bacillus D. E. Coli ✓





61. Which city is called "Market Town".
A. Rabiat B. Dubai
C. Kayarov D. Kualalampur
62. Which is the correct passive form of "The peon opened the gate".
A. The gate is being opened by the peon
B. The gate was being opened by the peon
C. The gate was opened by the peon ✓
D. The gate was to be opened by the peon
63. Which of the following is not the defects of vision?
A. Presbyopia B. Myopia
C. Hypermetropia D. Anaemia ✓
64. What is the source of H-COOH?
A. Propyranus B. Acetum
C. Formica ✓ D. Butyrum
65. What is the name of the hormone to ripe fruits?
A. Ascorbic acid B. Zeaberaline
C. Auxine D. Ethylene ✓
66. What is the home district of Hazi Mohammad Muhshin?
A. Rajshahi B. Murshidabad
C. Hoogli ✓ D. Medinipur
67. What is the correct passive form of "Who opened the door".
A. By whom the door was opened?
B. The door was opened by whom?
C. By whom was the door opened? ✓
D. By whom was opened the door?
68. Which of the following is not the main part of vision aid instrument?
A. Prism table B. Telescope
C. Collimator D. Lens ✓
69. What is the contribution of scientist Kekul?
A. Vital force concept
B. Electronic concept in chemical bond
C. Structural theory of benzene ✓
D. None of the above
70. What is the scientific name of Brinjal?
A. Psidium guajava
B. Solanum melongena ✓
C. Nymphaea nouchali
D. Lathyrus sativus L.
71. What is Royter-
A. News paper
B. Computer
C. News agency ✓
D. International aid organization
72. Which sentence is correct?
A. He told me to held my tongue
B. He said me to hold my tongue
C. He asked me to hold my tongue ✓
D. He said me to held my tongue
73. Who invented magnetic force line?
A. Faraday ✓ B. Elenstain
C. Newton D. Maxwell
74. Which of the following is not used to extract zinc?
A. Reduction of oxygen ✓
B. Thickening
C. Carbon Reduction
D. Oxydation by heat
75. In case of Angio sperms, diploid female-pollen mother-cell take part in miosis cell-division process and forms how many haploid female-pollen?
A. 6 B. 4 ✓
C. 2 D. 8
76. The seminar of OIC in 2003 was held in-
A. Iran B. Indonesia
C. Malayasia ✓ D. Turkey
77. Which is the correct sentence?
A. Iqbal was both the poet and philosopher
B. Iqbal was poet and philosopher
C. Iqbal was the poet and philosopher ✓
D. Iqbal was a poet and philosopher
78. What we mean by three letters AVO?
A. Ampere, Velocity, Ohm
B. Ampere, Volt, Ohm ✓
C. Analog, Volt, Ohm
D. Analog, Volt, alternator
79. Which of the following apparatus is not used in chamber process?
A. Glover tower B. Nightere oven
C. Pyrites furnace D. Solar furnace ✓
80. Which of the following is not the structural element of cell membrane, according to the fluid mosaic model?
A. Lipid bilayer B. Cholesterol
C. Starch ✓ D. Membrane protein
81. Who is the first Bengali Muslim poet?
A. Kaikobad B. Alaol
C. Shah Md. Sagir ✓ D. Abdul Hakim





82. Which is the correct sentence?
A. Karim preferred reading than to write
B. Karim preferred to read than to write
C. Karim preferred reading to writing ✓
D. Karim preferred to read than writing
83. Which of the following is not the combination of electric cell?
A. Mixed combination
B. Parallel Combination
C. Series combination
D. Face to face combination ✓
84. Which of the following is not the classification of oxides?
A. Super oxide B. Di-oxide ✓
C. Poli-oxide D. Sub-oxide
85. Which of the following is an important property of the stems of the monocotyledoneae?
A. Pericycle is on the outside of the vascular bundle
B. Hypodermis is build up by Chlorenchyma tissue
C. Generally the hypodermis is build up by sclere-nenchyma ✓
D. Vascular bundle is circulated and definite number
86. What is the name of the coin of Netherlands?
A. Peso B. Dollar
C. Euro ✓ D. Pound
87. Put the appropriate preposition-
I shall do is pleasure.
A. in B. for
C. with ✓ D. upon
88. What is the classification of resistance?
A. 3 B. 2 ✓
C. 1 D. 4
89. Which of the following is used to identify neslur reagent?
A. Li B. N_2
C. NH_3 ✓ D. Cl_2
90. Which of the following is not the stems tissue systems outer stealer region of dicotyledoneae?
A. Endodermis B. Corten
C. Hypodermis D. Pericycle ✓
91. "Oval" is famous for which game?
A. Tennis B. Football
C. Cricket ✓ D. Hokey
92. Correct preposition is-"Do not cry....spilt milk".
A. at B. for
C. over ✓ D. on
93. Induced charge is not depend on which of the following?
A. Nature of induced materials
B. Area of induced materials
C. Amount of inductive charge
D. Weight of induced materials ✓
94. At r.t.p nitrogen is a ---
A. gas ✓ B. liquid
C. solid D. None of the above
95. Which of the following is incorrect for virus?
A. They are unicellar ✓
B. Mutation is held in them
C. DNA and RNA are present here
D. Protein layer carry the activity of antigen
96. What is the oldest statue of the world?
A. Ifel Tower B. Tajmahal
C. Pyramid ✓ D. Kutub Minar
97. Put accurate preposition-
A drowning man catchesa straw.
A. for B. to
C. at ✓ D. on
98. Greek phylosopher Thales observed electricity in which year first?
A. 700 B.C B. 650 B.C
C. 600 B.C ✓ D. 750 B.C
99. Which scientist indentify nitrogen as an element?
A. Chapatel B. Lavoycca ✓
C. Ratherford D. None of the above
100. Which is not the characteristics of fungi?
A. They are centered
B. System of fooding is absorption
C. In sudden change they are unicellar
D. They are mainly hydrophytes/aquatic ✓

