

**Medical College Admission Test : 2004—2005**

1. Which animal is diplo-blastic?
A. Malaria's Parasite B. Hydra. ✓
C. Tape worm D. Leech.
2. What is the structural shape of diamond?
A. Cube. ✓ B. Tetragonal
C. Orthorhombic D. Monoclinic
3. Which of the following is not the law of vector resolution?
A. General Law B. Parallelogram law. ✓
C. Component law D. Component law
4. Which of the following is the correct translation of 'এই বইগুলি ছাড়া আমার আরও অনেকগুলি বই আছে'।
A. Besides these books I have many other books.
B. Beside these books I have many other books. ✓
C. I have many books beside these books
D. I have many other books beside these books.
5. Which country is the donor of maximum loan?
A. Japan. ✓ B. U.S.A
C. U.K D. Sweden
6. Which of the following is not a herb?
A. Paddy B. Wheat
C. Gardenia D. Mustard seed. ✓
7. What is the incubation period of plasmodium Vivax?
A. 12-20 days. ✓ B. 8-15 days
C. 18-40 days D. 11-16 days
8. 1 Dalton=?
A. 1.6650×10^{24} B. 1.6605×10^{24} . ✓
C. 1.6506×10^{24} D. 1.6505×10^{24}
9. Who invented the electromagnetic theory?
A. Newton B. W.Pouli
C. James Watt. D. James.C.Maxwell. ✓
10. What is the correct translation of the sentence, 'সাইন্স ল্যাবরেটরী ঢাকা সিটি কলেজের পূর্বে'।
A. Science Laboratory in on the east of Dhaka City College.
B. The Science Laboratory is in the east of Dhaka City College.
C. The Science Laboratory is to the east of Dhaka City College. ✓
D. The Science Laboratory is situated on the east of Dhaka City College.
11. A full bench of supreme court's Appeal division contains how many judge?
A. 9 judges B. 7 judges. ✓
C. 5 judges D. 3 judges
12. Which metal is used to prepare ethanal from ethanol?
A. Na B. Cu. ✓
C. Al D. Hg
13. Which property is absent in sper. kingdom Eukaryota?
A. They have the nucleolus and nuclear membrane.
B. Larger Ribosome, free and connected with lid
C. They have Operone. ✓
D. Cell division process is mitosis.
14. What is the name of the host in which parasite's sexual reproduction held?
A. Intermediate host B. Final host. ✓
C. Carrier D. Bearing host
15. According to the formation, what is the main classification of bond?
A. 1 B. 2
C. 3 D. 4. ✓
16. Which of the following is not in the classification of action-reaction?
A. Pull B. Tension
C. Displacement. ✓ D. Friction
17. Which preposition is accurate "The old sailor saw his companions fall dead."
A. In B. to
C. down ✓ D. into
18. What is the name of the coin of Switzerland?
A. Dollar B. Mark
C. Frank ✓ D. Lira
19. Which one is not virus affected?
A. Dengue B. Measles.
C. Herpes D. Typhoid. ✓
20. How many parts have the each leg of the cockroach?
A. 2 B. 3
C. 4 D. 5. ✓
21. What is the boiling point of the 'Xe'?
A. 165.0k. ✓ B. 87.3k
C. 115.7k D. 211.0k
22. In which year did scientist Stavinus express the triangular law of forces?
A. 1586 ✓ B. 1568
C. 1686 D. 1768
23. Which preposition is accurate for the gap "I eat that as an excuse conversation."
A. of B. about
C. at D. for ✓
24. What is the year of establishing "United Nations"?
A. 1948 B. 1947
C. 1946 D. 1945. ✓





25. What is the raw material to prepare plastic?
A. $\text{H}_3\text{C-COCl}$
B. $\text{H}_2\text{N-CO-NH}_2$ ✓
C. CH_3CHO
D. $\text{H}_2\text{-CO-NH}$
26. What is a characteristic of pteris?
A. They are divided into roots, stems and leaves ✓
B. Conductive system is absent
C. They have flowers, fruits and seeds
D. Sexual system is unicellular.
27. Which one is absent in the main parts of the blood circulation?
A. Haemocoel B. Haemolymph
C. Excurrent Ostia ✓ D. Accessory
28. What is the temperature by which diamond transform to graphite?
A. 1100°C B. 1000°C ✓
C. 800°C D. 900°C
29. The static friction co-efficient betn two plane is $\frac{1}{3}$, what is the angle of friction?
A. 25° B. 30°
C. 45° ✓ D. 50°
30. Which preposition is accurate for the gap "The mistake has all been the teacher's side."
A. in B. from ✓
C. on D. of
31. How many Cadet Colleges are there in Bangladesh?
A. 11 B. 10 ✓
C. 9 D. 7
32. Which plant is not in Leguminosae family?
A. Beans B. Radish ✓
C. Soabean D. Tamarind
33. Which one is accurate for cockroach?
A. Blood, doesn't help in respiration ✓
B. Twelve pairs of spiracle
C. Heart beat is 80 to 90 times per minute
D. The lower part of the compound eye is covered with a transparent cuticle.
34. How many kinds of liquid-liquid mixture?
A. 1 B. 2
C. 3 ✓ D. 8
35. What is the unit of the moment of force?
A. Newton-meter ✓ B. Newton-meter²
C. Newton/meter D. Newton/meter²
36. What is the correct passive form of the sentence- "The teacher made him go outside of the class"
A. He was turned out of the class by the teacher.
B. He was made to go outside of the class by the teacher. ✓
C. He had to go outside of the class by the teacher
D. He was made out side of the class by the teacher
37. Which is the maximum population dense country?
A. China B. Netherlands
C. Bangladesh. ✓ D. India
38. How many amino-acid can be obtained from a protein?
A. 18 B. 20 ✓
C. 26 D. 64
39. Which tissue has the main role to conduct essential water to every cell?
A. Phloem tissue B. Ground
C. Xylem. ✓ D. Apedermice
40. Which of the following is a facia bone?
A. Parietal B. Sphenoid
C. Vomax. ✓ D. Ethmoid
41. What is the use of Naptha?
A. Raw materials B. Fuel
C. To prepare candle D. Solvent. ✓
42. The mass of a wheel is 10kg and the radius of curvature is 0.5m. What is its moment of inertia?
A. 2.12kgm^2 . ✓ B. 2.5kgm
C. 50kgm^2 D. 50kgm
43. What is the correct active form of "It is known to me how it was done by him"?
A. I know how he has done it.
B. I knew how he has done it
C. I know how he did it. ✓
D. I knew how he did it
44. Where is the head office of OIC?
A. Ankara B. Kuwait City
C. Teharan D. Jeddha. ✓
45. What is common to both aerobic and anaerobic respiration?
A. Crebs cycle
B. Creation of lactic acid
C. Preparation of ethanol
D. Glycolysis. ✓
46. Which one is not the sinovial joint of human body?
A. Condylod
B. Saddle
C. Hinge
D. Symphysis ✓
47. What range of pH is necessary for cultivation?
A. 3-4 B. 4-5
C. 7-8 ✓ D. 10-11
48. When the work by force is Zero? If.
A. $\theta = 450$ B. $\theta = 600$
C. $\theta = 900$ ✓ D. $\theta = 1800$





49. Which is the exact translation of the sentence. 'আর দেরী না করে তোমার ধূমপান ছেড়ে দেয়া উচিত'?
- A. You should give up smoking without delay ✓
B. Without delay you should give up smoking
C. You should give up smoking passing no more time.
D. It is high time you gave up smoking.
50. What is the mother's land of Mother Teresa?
- A. India B. Albania ✓
C. Britain D. Germany
51. Insulin is a
- A. Nucleic Acid B. Protein ✓
C. Amino acid D. Glucose
52. Which one is not a short-day plant?
- A. Tomato ✓ B. Potato
C. Sugarcane D. Jute
53. How much amount of gastric juice is secreted in human stomach per day?
- A. about 1 liter B. about 1.5 liter
C. about 2 liter ✓ D. about 2.5 liter
54. Due to liquid junction potential the e.m.f of a cell.....
- A. Reduces B. Increases
C. Increases slowly D. Remains constant
55. What is electron volt?
- A. Practical unit of work ✓
B. Unit of current
C. Absolute unit of work
D. Unit of electric resistance
56. Which one is accurate for the gap- "He was nearly dead the time he got back home."
- A. by ✓ B. at
C. in D. on
57. C-130 is A.....
- A. Fighter plane B. Passenger plane
C. Transport plane ✓ D. Helicopter
58. Green fruits are sour due to..
- A. Organic acid ✓ B. Starch
C. Salulose D. Fructose
59. Which one is incorrect?
- A. Ptyaline and maltase are in saliver.
B. The joining position of alimentary canal with stomach is called pylorus. ✓
C. Liver is the larger gland of human body
D. Deodenum is 25-30 cm in length
60. How many times the rate of reaction will increase per 100°C temperature increase?
- A. 2-3 ✓ B. 3-4
C. 4-5 D. 5-6
61. One horse-power is equal to
- A. 647 joule/sec B. 764 joule/sec
C. 467 joule/sec ✓ D. 746 joule/sec
62. Which is the correct translation of the sentence- : 'বন্দুক তাক করতে না করলে পাখিটি উড়ে গেল'।
- A. As soon as he aimed at the bird that flew away
B. No sooner had he aimed at the bird than it flew away. ✓
C. The bird flew away before he aimed at the bird
D. The bird flew away no sooner he aimed at the bird.
63. Which country ruled Papua Neuginee before freedom?
- A. Britain B. France
C. Australia ✓ D. Newzealand
64. What is the activity group of amine?
- A. -NH₂ ✓ B. -NH₃
C. -OH D. -CH₃
65. In which stage creature uses the maximum energy?
- A. Forth stage consumer
B. Tertiary stage consumer
C. Secondary stage consumer
D. Producer ✓
66. What is the time period of hearts auricles systoles?
- A. 0.3sec B. 0.2 sec
C. 0.1 sec ✓ D. 0.7 sec
67. The rate of reaction for a zero order reaction is-
- A. 0 B. Constant ✓
C. increased slowly D. Decreased slowly
68. Convert 100 kgm to Joule?
- A. 764.00J B. 981J ✓
C. 98.1J D. 9.81J
69. Fill in the gap "He has ensured me safely.
- A. with B. of ✓
C. for D. at
70. Which gas is effective for the ozone layer damaging?
- A. Sulphur B. CFC ✓
C. CO D. CO₂
71. Vocal chord is present in.....
- A. Pharynx B. Trachea
C. Nasal cavity D. Larynx ✓
72. At present which gas is used in electric bulb?
- A. Argon ✓ B. Neon
C. Radon D. Helium
73. Which one is not related to surface tension?
- A. Writing with ball pen ✓
B. Floating of a niddle on water
C. Vaporization of comphor
D. Cloth of umbrella





74. Which one is the correct passive voice of the sentence- " He decided to sell the house"
A. It was decided by him to sell the house. ✓
B. He decided that the house shall to sold.
C. He decided that the house is sold.
D. He decided that the home is selling.
75. The cause of high blood pressure is due to-
A. air pollution B. water pollution
C. social pollution ✓ D. soil pollution
76. What is the activity of hypothalamous?
A. Control the heat of body
B. Control the voluntary movement
C. Maintain the balance of body
D. Determine the direction of movement
77. Catenation is mainly found in.....
A. Oxygen B. Sodium
C. Carbon ✓ D. Barium
78. What is the viscosity co-efficient of benzene?
A. 1.1×10^3 B. 0.2×10^3
C. 1.5×10^3 D. 0.7×10^3 ✓
79. What is the antonym of "Equivocal" ?
A. Mistaken B. azure
C. quiet D. clear ✓
80. From which of the following insulin is secreted?
A. Thyms gland
B. Pinal gland
C. Adrenal gland
D. Islets of langer hangs of pancreatic ✓
81. What is the lowest temperature created by liquid ammonia-
A. -20°c B. -35°c
C. -25°c D. -33°c ✓
82. What is the highest temperature measured by Pyrohelyometer?
A. 5000°c B. 6000°c ✓
C. 7000°c D. 8000°c
83. What do you mean by "Sanction"?
A. Verify B. Plan
C. Prohibit D. Authorization ✓
84. Bangladesh is in which animal-geographic region?
A. Palyartic Region
B. Oriental region ✓
C. Neotropical region
D. Neoartic region
85. What is the radius of fluorine atom?
A. 0.72nm B. 0.072nm ✓
C. 0.0072nm D. 7.2nm
86. Which of the following is not the classification of latent heat?
A. latent heat of fusion ✓
B. latent heat of evaporation
C. latent heat of solidification
D. latent heat of condensation
87. Which of the following is imperative?
A. Do it at once ✓
B. You read it attentively
C. I wish your success in life
D. Does he go to school?
88. Who is called the founder of pearl industry?
A. Kokichi Mikinato of Japan ✓
B. Theodor Sowan of Germany
C. Marcello Malpizzi of Italy
D. William Hervay of England
89. What is the activity group of alcohol?
A. $-\text{NH}_2$ B. $-\text{COOH}$
C. $-\text{OH}$ ✓ D. $-\text{OR}$
90. What is the classification of wave?
A. 2 ✓ B. 3
C. 4 D. 5
91. What is not the activity of interferon?
A. To control the unaffected system
B. To restrict the production of antibody
C. To help to produce hormone ✓
D. To increase the power and generation of ND-cell
92. Which radical is meta indicator?
A. $-\text{NH}_2$ B. $-\text{NHCOCH}_3$
C. Br D. $-\text{NO}_2$ ✓
93. Which one is not the practical use of supersonic sound?
A. To kill jermis
b. To increase solubility
C. To determine depth of sea
D. To increase the speed ✓
94. Generally how many days menstrual cycle last?
A. 3-4 B. 8-10
C. 2-3 D. 4-5 ✓
95. Which one is tertiary halide?
A. R_2CH B. R_2CHX
C. R_3X ✓ D. RCH_2X
96. Which of the following does not effect on the surface tension?
A. Pollution B. Magnetism ✓
C. Electrification D. Temperature
97. Which of the following is ether?
A. R_2-COOH B. R_2CHOH
C. $\text{C}_6\text{H}_5\text{OCH}_3$ ✓ D. H_3COCl
98. How many ways of charging a matter?
A. 1 B. 2
C. 3 ✓ D. 4
99. Which reagent is used to find the difference between N_3CNH_2 and $\text{C}_6\text{H}_5\text{NH}_2$?
A. NaNO_2+HCl ✓ B. HNO_3
C. $\text{Conc. H}_2\text{SO}_4$ D. He-CO-Cl
100. What is the unit of permittivlty?
A. $\text{C}^2/\text{N}\cdot\text{m}^2$ ✓ B. $\text{C}/\text{N}\cdot\text{m}^2$
C. $\text{C}^2/\text{N}^2\cdot\text{m}$ D. $\text{C}/\text{N}^2\cdot\text{m}$

