

Name.....

Batch..... Roll No.

Date :04-08-2024

FOUNDATION
SCREENING MOCK TEST SERIES


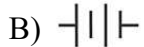


FN24_w/TP/PCBM

PHYSICS + CHEMISTRY + BIOLOGY + MATHEMATICS

Class VIII (VII Studying)

PHYSICS

1. Which of the following materials is a conductor ?
A) Silver B) Rubber C) Cloth D) Plastic
2. The metal which is a poor conductor of electricity is
A) Gold B) Iron C) Aluminium D) Mercury
3. Temperature is measured by a device
A) Hydrometer B) Lactometer C) Thermometer D) Hygrometer
4. The normal temperature of human body is
A) 32⁰C B) 36⁰C C) 37⁰C D) 34⁰C
5. The process by which heat is transferred from hotter end to the colder end of an object is known as
A) Conduction B) Convection C) Radiation D) Reflection
6. Example for conductors
A) Aluminium B) Iron C) Copper D) All the above
7. Plastic and wood are examples of
A) Semi conductor B) Poor conductor C) Insulator D) Both B and C
8. A clinical thermometer reads temperature
A) 32⁰C to 40⁰C B) 35⁰C to 42⁰C
C) 36⁰C to 39⁰C D) 30⁰C to 40⁰C
9. Which of the following is not an example of motion ?
A) A car in traffic B) A bus moving on a road
C) A tree D) A pedestrian on the road
10. Which of the following is a type of motion ?
A) Circular B) Linear C) Oscillation D) All of the above

11. What are the factors to determine whether the object is moving fast or slow
- A) the distance B) the time C) Both A and B D) None of the above
12. The symbol which represents an electric cell
- A)  B)  C)  D) 
13. Light travels in
- A) Curved line B) In circular path C) In straight line D) Zig zag path
14. Change in the path of light after striking a mirror is called
- A) Reflection of light B) Rectilinear propagation of light
C) Lateral inversion D) Dispersion
15. When white light is passed into a prism it splits into
- A) Seven colours B) Eight colours C) Five colours D) Three colours
16. Image formed by a convex mirror is a
- A) Virtual image B) Erect C) Diminished D) All of the above
17. Mirror used as a rear view mirror in vehicles
- A) Concave mirror B) Convex mirror C) Plane mirror D) None of the above
18. A convex lens is
- A) Thick at centre B) Thin at the centre C) thick at edges D) hollow at the centre
19. A combination of two or more cells is called
- A) A button cell B) A battery C) an electric cell D) None of the above
20. A current flows through the circuit when the circuit is in _____ condition
- A) Closed B) Open C) Broken D) Incomplete
21. A glowing filament will be
- A) At a low temperature B) At a high temperature
C) At atmospheric temperature D) At the temperature of ice
22. _____ is attracted by an electromagnet
- A) Wood B) Iron C) Plastic D) Rubber

23. An electromagnet is one which behaves as a magnet when current is _____
- A) Allowed to flow through it B) Not allowed to flow through it
C) Stopped from flowing through it D) None of the above
24. When electric current passes through a wire, it behaves like a magnet. This is the
- A) Magnetic effect of current B) electrical effect of current
C) Heating effect of current D) Optical effect
25. Electric bell works on the principle of
- A) Electrical energy into mechanical energy
B) Electrical energy into sound energy
C) Mechanical energy into sound energy
D) Sound energy into electrical energy

CHEMISTRY

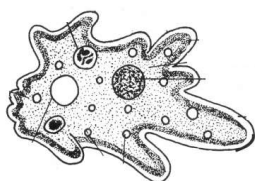
26. The smallest particle of a substance
- A) Molecule B) compound C) Both D) None of these
27. Which of the following is a base ?
- A) Card B) Amla C) Vinegar D) Window cleaner
28. Which of the following solutions will cause the blue litmus to turn red ?
- A) Vinegar B) Soap C) Milk of magnesia D) Calamine
29. Reaction between an _____ and a _____ is known as Neutralisation
- A) Acid and Neutral B) Base and Neutral C) Acid and Base D) None of these
30. _____ turn Red litmus to blue ?
- A) Bases B) Acid
C) Neutral solution D) None of these
31. The substances which are neither acidic nor basic are called _____ ?
- A) Indicators B) Neutral C) Bases D) None of these

32. _____ acid is found in Vinegar
- A) Ascorbic acid B) Lactic acid C) Acetic acid D) None of these
33. _____ hydroxide is found in soap
- A) Sodium B) Calcium C) Magnesium D) None of these
34. In _____ changes new substances are formed ?
- A) Chemical B) Physical C) Biological D) None of these
35. Digestion of food in our body is a _____ change
- A) Chemical B) Physical C) Biological D) None of these
36. The hack-saw blade changed colour on heating is _____ change ?
- A) Chemical B) Physical C) Biological D) None of these
37. Acid taste sour
- A) False B) True C) A and B are correct D) None of these
38. Which of the following is a synthetic fibre
- A) Rayon B) Nylon C) Polyester D) All of these
39. Which of the following is not a plant fibre ?
- A) Cotton B) Jute C) Silk D) Bamboo
40. The rearing of silkworms is called _____
- A) Pisciculture B) Sericulture C) Polyculture D) Arboriculture
41. Which of the following animals yield wool ?
- A) Camel B) Sheep C) Goat D) All of the above
42. Which of the following is insoluble in water ?
- A) Lemon Juice B) Oil C) Sugar D) Salt
43. Ozone layer protects us from harmful
- A) UV radiation B) Infrared radiation C) visible radiation D) Heat radiation

44. For protecting iron pipes from corrosion. They are coated with
- A) Copper B) Zinc C) Aluminium D) Silver
45. Which is the best method to prevent rusting
- A) Painting B) Greasing C) Galvanization D) Precipitation
46. Bases are
- A) Sour in taste B) Sweet in taste C) Salty in taste D) Bitter in taste
47. From the given options choose the odd one
- A) Milk B) Honey C) Oil D) Ink
48. Distilled water is _____
- A) Acidic B) Basic C) Neutral D) None of these
49. Ammonia that turns red litmus blue is
- A) Acidic B) Basic C) Neutral D) None of these
50. Ant's bite injects
- A) Acetic acid B) Formic acid C) HCl D) None of these

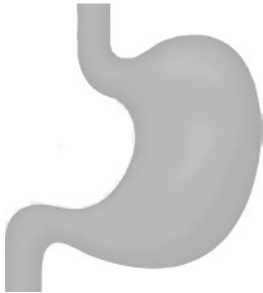
BIOLOGY

51. Sweat is produced by _____ in the skin
- A) Adrenal gland B) Pancreas C) Blood vessels D) Sweat glands
52. Identify the given organism

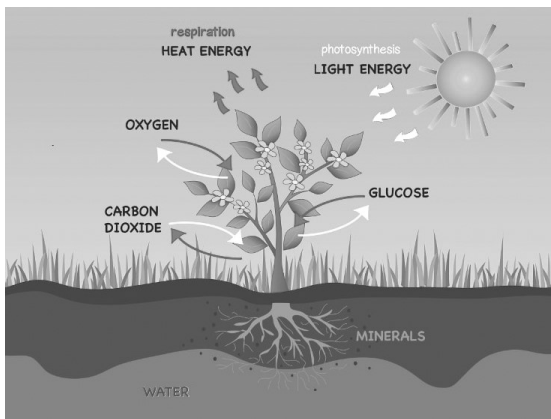


- A) Amoeba B) Euglena C) Bacteria D) Virus
53. Which among the following is a partial parasite ?
- A) Cuscuta B) Loranthus C) Monotropa D) Pitcher plant
54. Name the instrument used to know heart beat
- A) Thermometer B) Glucometer C) Stethoscope D) None of these

66. Reproduction in Yeast is known as
 A) Sexual reproduction B) Grafting
 C) Budding D) Layering
67. Identify the organ present in the human digestive system



- A) Small intestine B) Stomach C) Kidney D) Large intestine
68. The given picture showing the process



- A) Respiration B) Photosynthesis
 C) Reproduction D) None of these
69. Complete the flow chart by adding the missing part

Mouth → oesophagus → Stomach → Small intestine



← Rectum ← Large Intestine

- A) Anus B) Villus C) Urethra D) None of these
70. Amphibians can _____
 A) Live only in water B) Live only in land
 C) Respire only through nose D) Respire through nose and skin
71. The red colour of human blood is because of the presence of a pigment called _____
 A) Immunoglobulin B) Collagen C) Haemoglobin D) Bile pigment

72. Which animal has red sweat ?
A) Lion B) Monkey C) Snake D) Hippopotamus
73. How many chambers are present in the heart of a Lizard ?
A) 2 B) 4 C) 5 D) 3
74. The normal rate of heart beat of a healthy human being is
A) 72 times per minute B) 50 times per minute
C) 100 times per minute D) 152 times per minute
75. Chlorophyll is a pigment with _____ colour
A) Red B) Blue C) Green D) Violet

MATHEMATICS

76. What is the sum of all angles in any triangle ?
A) 90° B) 180° C) 270° D) 360°
77. When two positive integers are added we get
A) Positive integer B) Negative integer
C) Some times positive, some times negative D) None of these
78. -20×-5 is equal to
A) 100 B) -100 C) 10 D) 5
79. Today is Monday after 61 days, it will be
A) Wednesday B) Saturday C) Tuesday D) Thursday
80. The denominator of two rational number $\frac{4}{7}$ is
A) 7 B) 4 C) 3 D) 11
81. In a quadrilateral the angle are 40° , 120° , 10° and x° Find the value of 'x' ?
A) 40° B) 120° C) 190° D) 180°
82. 0.089 m in cm is
A) 89 B) 8.9 C) 890 D) 0.89

83. The sum of the measures of two supplementary angles is
- A) 90° B) 180° C) 360° D) None
84. Reciprocal of $1\frac{1}{7}$ is
- A) $\frac{7}{11}$ B) 11 C) 7 D) $\frac{11}{7}$
85. $-1 \times -1 \times -1$ equals
- A) 1 B) 0 C) None of these D) -1
86. Which of the following is equal to $\frac{1}{2} + \frac{1}{3}$
- A) $\frac{1}{6}$ B) $\frac{5}{6}$ C) $\frac{7}{6}$ D) $\frac{11}{6}$
87. 0.8007×1000 is equal to
- A) 8.007 B) 8007.0 C) 0.8007 D) 800.7
88. The measure of the complement of the angle 30°
- A) 30° B) 16° C) 60° D) 160°
89. 0.35×0.2 is equal to
- A) 70.0 B) 0.7 C) 0.070 D) 7.0
90. Find the area of a rectangle whose length is 6.7 cm and breadth is 2 cm
- A) 13cm^2 B) 13.4cm^2 C) 13.8cm^2 D) 14cm^2
91. If 60% of x is 1200 then the value of x is
- A) 1000 B) 2000 C) 3000 D) 40000
92. The angles in a linear pair are
- A) Complementary B) Supplementary
- C) None of these D) Vertically opposite

93. -3×0 equals
- A) 0 B) 3 C) -3 D) 1
94. Which of the following is true ?
- A) $(-8) + (-4) > (-8) - (-4)$ B) $(-8) + (-4) < (-8) - (-4)$
- C) $(-8) + (-4) = (-8) - (-4)$ D) None of the above
95. Find the mean of 0,1, 2, 3, 4
- A) 0 B) 1 C) 2 D) 4
96. What is $\frac{53}{100}$
- A) 5300 B) 530 C) 0.53 D) None of the above
97. Convert the given fraction into mixed fraction $\frac{22}{7}$
- A) $3\frac{1}{7}$ B) $1\frac{3}{7}$ C) 0 D) $1\frac{1}{7}$
98. $\frac{11}{2} \div \frac{14}{2}$
- A) $\frac{11}{2}$ B) $\frac{14}{2}$ C) 1 D) $\frac{11}{14}$
99. $0.4 \times 0.4 \times 0.4$ equals
- A) 0.064 B) 0.64 C) 6.4 D) 64
100. Convert the following decimal number into fraction 2.34
- A) $\frac{234}{100}$ B) $\frac{234}{10}$ C) $\frac{234}{1000}$ D) 234

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P + C + B + M - KEY

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PHYSICS

1. A
2. D
3. C
4. C
5. A
6. D
7. D
8. B
9. C
10. D
11. C
12. D
13. C
14. A
15. A
16. D
17. B
18. A
19. B
20. A
21. B
22. B
23. A
24. A
25. B

CHEMISTRY

26. A
27. D
28. A
29. C
30. A
31. B
32. C
33. A
34. A
35. A
36. B
37. B
38. D
39. C
40. B
41. D
42. B
43. A
44. B
45. C
46. D
47. C
48. C
49. B
50. B

BIOLOGY

51. D
52. A
53. B
54. C
55. B
56. A
57. B
58. C
59. A
60. C
61. C
62. D
63. A
64. C
65. B
66. C
67. B
68. B
69. A
70. D
71. C
72. D
73. D
74. A
75. C

MATHEMATICS

76. B
77. A
78. A
79. B
80. A
81. C
82. B
83. B
84. A
85. D
86. B
87. D
88. C
89. C
90. B
91. B
92. B
93. A
94. B
95. C
96. C
97. A
98. D
99. A
100. A