

Name

Batch..... Roll No.

Date :07-07-2024

FOUNDATION
SCREENING MOCK TEST SERIES

FN24_d/TP/PCBM

PHYSICS + CHEMISTRY + BIOLOGY + MATHEMATICS

Class VII (VI Studying)

PHYSICS

1. What is the speed at which earth rotates about its own axis?
A) 1667 km/hr B) 3×10^8 m/s C) 667 km/hr D) 1000 km/hr

2. A force is needed to :
A) Change the state of motion/rest of the body
B) Change the direction of the body
C) Keep the body in motion
D) Both A & B

3. Name the celestial body in space which is closest to the earth?
A) Sun B) Moon C) Venus D) Mars

4. People studying about earthquakes are called :
A) Doctor B) Astrologer C) Seismologists D) Astronomer

5. A nutcracker is an example of which class of lever?
A) First class lever B) Second class lever C) Third class lever D) None of these

6. Which of the following is an example of contact force?
A) Gravitational force B) Electrostatic force C) Magnetic force D) Frictional force

7. From the following, identify the example for rotational motion?
A) Draws a circle using compass B) Motion of a top on its own axis
C) Motion of an ox around an oil press D) Motion of a train in a circular path

-
8. When was the first human space journey happened?
- A) 12th April 1961 B) 12th April 1967 C) 12th June 1961 D) 12th June 1967
9. Which among the following is a natural calamity?
- A) Earthquake B) Cyclones C) Floods D) All of these
10. An axe is used to chop wood. Which simple machine is found on the head of axe?
- A) Wheel and axle B) Lever C) Wedge D) Screw
11. How much work is done if a force of 40 N is used to move an object at a distance 8 meter?
- A) 5 J B) 48 J C) 32 J D) 320 J
12. World space week is celebrated from
- A) September 4 - 10 B) October 4 - 10 C) November 4 - 10 D) December 4 - 10
13. Which of the following is not a lever?
- A) Knife B) Scissor C) Bottle opener D) Stapler
14. A rolling ball gets slow down on its own because of
- A) Gravitational force B) Frictional force C) Elastic force D) Buoyant force
15. In which of the following situations we are making use of pulling force?
- A) In the game of volley ball B) Drawing water from the well
- C) In the game of hockey D) Catching a ball
16. Select the renewable source of energy from the following
- A) Oil B) Coal C) Tide D) Diesel
17. Identify the true statement from the following
- A) Light travels in straight line B) Light travels in circular path
- C) Light travels in parabolic path D) Light travels in helical path

CHEMISTRY

26. Which of the following does not belong to the group
- A) Ink B) Milk C) Honey D) Oil
27. The space between particles is maximum in
- A) Solids B) Liquids C) Gases D) Both A & B
28. Liquids that are soluble in one another are called
- A) Miscible B) Immiscible C) Lighter substance D) Insoluble
29. In which of the statements is incorrect
- A) Vinegar dissolves in water B) Sand settle down in water
- C) A piece of wood floats on water D) Chalk dissolves in water
30. Shopkeeper usually prefer to keep materials in
- A) Translucent container B) Opaque container
- C) Transparent container D) Wooden rack
31. Strongest intermolecular force of attraction founds in
- A) Gaseous B) Solids C) Liquids D) Plasma
32. The components of air which are harmful to living beings are
- A) Nitrogen and carbon dioxide B) Dust and water vapour
- C) Dust and smoke D) Smoke and water vapour
33. Which of the following components of air is present in the largest amount in the atmosphere
- A) Nitrogen B) Oxygen C) Water vapour D) Carbon dioxide
34. The two gases which taken together make up about 99% of air
- A) Nitrogen and carbon dioxide B) Nitrogen and ozone
- C) Carbon dioxide and oxygen D) Nitrogen and oxygen

35. The components of air which is utilized by the plants in respiration is
- A) Nitrogen B) Carbon dioxide C) Water vapour D) Oxygen
36. About one-fifth of ordinary air is
- A) Nitrogen B) Carbon dioxide C) Water vapour D) Oxygen
37. Nitrogen is needed by the plants to make
- A) Fats B) Carbohydrates C) Proteins D) Minerals
38. An iron nail is kept in each of the following liquids. In which case would it lose its shine and appear dull
- A) Mustard oil B) Soft drink C) Coconut oil D) Kerosene
39. Which of the following materials is not lustrous
- A) Gold B) Silver C) Wood D) Diamond
40. In a solution of salt and water, no more salt can be dissolved. If we want to add more salt, it needs to be
- A) Shaked well B) Filtered
- C) Alum has to be added D) Heated
41. Air is considered to be
- A) A compound B) A mixture C) A solvent D) An element
42. Which one is a process in which water changes into vapours in atmosphere
- A) Evaporation B) Transpiration C) Precipitation D) Condensation
43. Which is not a part of water cycle
- A) Cloud formation B) Rain
- C) Drinking by animals D) Sun

-
44. Which one is the purest form of water
- A) River water B) Ground water C) Rain water D) Ocean water
45. Boiling point of water is
- A) 100°C B) 101°C C) 99°C D) 100°C
46. Wind is
- A) Air around us B) Rising hot air
- C) Air in motion D) None of these
47. Air is
- A) A mixture
- B) A pure substance
- C) An element
- D) Anything that depends on the place where it is found
48. Which of the following has reddish brown colour
- A) Gold B) Copper C) Iron D) Brass
49. On heating metal rim
- A) Expands
- B) Contracts
- C) Depends how much it is heated
- D) Depends as the type of metal
50. The human do not depend on plants for one of the following. This one is
- A) Food B) Fuel
- C) Carbon dioxide D) Oxygen

BIOLOGY

51. Small white structure may have grown out of seeds is called
A) Roots B) Sprouts C) Seeds D) None of these
52. is a food eaten at a particular time of one day
A) Meat B) Meal C) Fruit D) Vegetable
53. What is the main difference between carbohydrates and fats?
A) The amount of oxygen is less in fats as compared to carbohydrates
B) The amount of oxygen is more in fats as compared to carbohydrates
C) The amount of oxygen is same in fat as compared to carbohydrates
D) None of these
54. The plant products like..... act as roughage
A) Glucose B) Cellulose C) Both A and B D) None of these
55. Write the full form of PCM
A) Proteins, calcium, malnutrition B) Proteins, calorie, malnutrition
C) Protein, carbohydrate malnutrition D) None of these
56. Deficiency of vitamins in the body is known as
A) Vitaminosis B) Goitre C) Blindness D) Dry skin
57. Where is commonly Goitre disease found?
A) Coastal areas B) Desert areas C) Hilly areas D) None of these
58. Deficiency in birds leads to soft egg shells
A) Vitamins B) Fats C) Calcium D) None of these
59. Name plants which have roots outside the soil
A) Sugar cane B) Money plant C) Banyan D) All of these
60. To which part of the body are the bones of the upper arm attached?
A) Elbow B) Palm C) Shoulder D) None of these

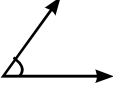
(ii) - chronic

69. Mineral salts are requires by the body for
- A) Providing energy B) Growth and repair
C) Healthy teeth and strong bones D) Proper functioning of intestines
70. Vitamin D works along with calcium to prevent the thinning of bones. Vitamin D can be obtained from
- A) Wheat germ B) Potatoes C) Egg yolk D) Tomatoes
71. Vermiform appendix is attached to the
- A) Colon B) Duodenum C) Cecum D) Ileum
72. Which part of the body contain ring like muscles called sphincters?
- A) Stomach B) Mouth C) Eye D) Ear
73. Plants obtain the various components required for photosynthesis from their surroundings. Plants obtain carbon dioxide from the atmosphere through their
- A) Roots B) Stomata C) Sepals D) Petals
74. The cold blooded animals which are active at night are
- A) Frogs B) Crocodiles C) Camels D) Lizards
75. Apple and neem trees are
- A) Xerophytes B) Hydrophytes C) Mesophytes D) None of these

MATHEMATICS

76. 10 Crores = Millions
- A) 100 B) 1000 C) 10 D) 50
77. The successor of 989 is
- A) 988 B) 990 C) 989 D) 987
78. The collection of whole number along with negative numbers is called.....
- A) Natural number B) Rational number
C) Integers D) Even number

79. $-8 \div 1 =$
A) 7 B) -8 C) 8 D) 9
80. $(-7) \times (-3) = \dots\dots\dots$
A) 21 B) 10 C) -21 D) 22
81. Convert $9 \frac{7}{13}$ into improper fraction
A) $\frac{123}{13}$ B) $\frac{125}{13}$ C) $\frac{124}{13}$ D) $\frac{126}{13}$
82. $\frac{5}{8} - \frac{3}{8} = \dots\dots\dots$
A) $\frac{1}{8}$ B) $\frac{1}{4}$ C) 1 D) $\frac{2}{8}$
83. Convert $\frac{16}{5}$ into mixed fraction
A) $\frac{1}{8}$ B) $\frac{1}{5}$ C) $\frac{16}{5}$ D) $3 \frac{1}{5}$
84. Convert $\frac{19}{4}$ into decimal
A) 4.75 B) 47.5 C) .475 D) 475
85. 1m =km
A) 0.1 B) .001 C) .0001 D) .1
86. A quadrilateral has..... sides
A) 3 B) 5 C) 4 D) 8
87. All sides are equal and all the angles are equal to 60° is called
A) Scalene triangle B) Isosceles triangle C) Equilateral triangle D) Right angled triangle
88. LCM of 2 & 4
A) 4 B) 1 C) 2 D) 8
89. HCF of 2 & 4
A) 4 B) 8 C) 1 D) 2

90. Perimeter of a square with side 'a' is
A) a^2 B) a^3 C) $4a$ D) $3a$
91. The sum of angles of a triangle is
A) 90° B) 360° C) 720° D) 180°
92. $0 \square - 2$ is what
A) $>$ B) $<$ C) \leq D) \geq
93. Absolute value of $-32 = \dots\dots\dots$
A) 32 B) 33 C) -32 D) 30
94. Replace \square by the correct number in the fraction $\frac{3}{5} = \frac{\square}{20}$
A) 10 B) 12 C) 13 D) 20
95. Only two angles of $\dots\dots\dots$ triangles are equal
A) Scalene triangle B) Isosceles triangle
C) Right triangle D) Equilateral triangle
96. Name of the angle 
A) Reflex angle B) Right angle C) Acute angle D) Obtuse
97. What is 0.001×0.001
A) 0.00001 B) 0.001 C) 0.0001 D) 0.000001
98. Add the following $-1 + (-2) + -3 = ?$
A) 6 B) -6 C) 0 D) 5
99. Simplify $100 - (20 \times 3)$
A) 40 B) 240 C) 83 D) 15
100. What is $\frac{2}{3}$ of 15
A) 10 B) 47 C) 13 D) 30

Name

Batch..... Roll No.

Date :07-07-2024

FOUNDATION SCREENING MOCK TEST SERIES

FN24_D/TP/PCBM	P + C + B + M - KEY	Class VII (VI Studying)
---------------------------------	----------------------------	--------------------------------

PHYSICS

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

CHEMISTRY

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

BIOLOGY

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

MATHEMATICS

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