

Name

Batch..... Roll No.

Date :04-08-2024

FOUNDATION
SCREENING MOCK TEST SERIES

FN24_d/TP/PCBM

PHYSICS + CHEMISTRY + BIOLOGY + MATHEMATICS

Class VI (V Studying)

PHYSICS

1. Work done depends on
A) Force applied B) Energy C) Object D) None of these
2. The ability to do work is called :
A) Energy B) Force C) Both D) None of these
3. What is the force that stops us from slipping when we walk?
A) Gravity B) Friction C) Air resistance D) Upthrust
4. Which of the following is not considered as work?
A) Kicking a foot ball B) Throwing a stone
C) Waiting for bus at a bus stop D) Pulling a chair
5. The force that is applied to move an object is called :
A) Effort B) Fulcrum C) Load D) All of these
6. The upward push of water on a floating object is :
A) Frictional force B) Buoyant force C) Elastic force D) Gravitational force
7. Which of the following is not an example of contact force?
A) Muscular force B) Magnetic force C) Frictional force D) None of these
8. The energy possessed by an object due to its position is called :
A) Potential energy B) Kinetic energy C) Frictional energy D) Gravitational energy
9. Green plants convert solar energy to :
A) Biological energy B) Light energy C) Chemical energy D) Sound energy

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10. In which of the following are we using the pulling force?
- A) In the game of volleyball B) Drawing water from the well
- C) In the game of hockey D) In the game of cricket
11. Which of these is not an effect of force?
- A) Change in shape B) Change in direction
- C) Change in colour D) Change in size
12. Tools make work
- A) Hard B) Easy C) Soft D) Complex
13. A door knob is an example of :
- A) Pulley B) Wheel and axle C) Lever D) Screw
14. When two forces acting on an object are equal in size and act in opposite direction, it is called :
- A) Balanced force B) Unbalanced force C) Net force D) None of these
15. Sun is the main source of ?
- A) Light energy B) Heat energy C) Mechanical energy D) Both A and B
16. Which type of simple machine is a see-saw on a play ground?
- A) Pulley B) Wedge C) Lever D) Inclined plane
17. Gravitational force is also known as?
- A) Non-contact force B) Contact force
- C) Magnetic force D) None of these
18. Leaves fall down on the ground due to?
- A) Electrostatic force B) Magnetic force
- C) Gravitational force D) Muscular force

19. When two teams are pulling a rope, and the rope does not move towards any team, it implies that?
- A) Equal force is being applied in opposite direction
 - B) Unequal force is being applied in opposite direction
 - C) Equal force is being applied in same direction
 - D) No force is applied in any direction
20. What is gravity?
- A) Attraction + Repulsive force
 - B) Attractive force
 - C) Not a force
 - D) None of these
21. Friction always acts _____ the direction of motion?
- A) Along
 - B) Opposite
 - C) Both A & B
 - D) None of these
22. Which of the following surfaces offer more friction
- A) Rough surface
 - B) Smooth surface
 - C) Both A & B
 - D) None of these
23. Pick out the odd ones from the following
- A) Reading a book or studying for an examination
 - B) Holding a heavy load, but not moving
 - C) Pushing a heavy box or wall that does not move
 - D) Pushing a cart through some distance
24. A simple machine is used to move the object to a higher place is the
- A) Wedge
 - B) Wheel and axle
 - C) Inclined plane
 - D) Pulley
25. Which energy is used by plants?
- A) Light
 - B) Chemical
 - C) Heat
 - D) None of these

CHEMISTRY

26. Matter has _____
- A) Weight B) Areas C) Volume D) All of these
27. Matter is made up of
- A) Crystal B) Atoms C) Molecules D) Compound
28. There are _____ states of matter
- A) One B) Two C) Three D) Four
29. Have definite shape and volume
- A) Solid B) Liquid C) Gas D) Both A & B
30. The molecules in solid are packed in
- A) Far B) Close C) Both A & B D) None of these
31. Which of the following takes the shape of the container
- A) Solid B) Liquid C) Gas D) None of these
32. A liquid can
- A) Flow B) Not flow C) Both A & B D) None of these
33. Molecules in _____ are not closely packed
- A) Gas B) Liquid C) Solid D) Crystals
34. Water, milk and juice are examples for
- A) Solid B) Gas C) Liquid D) All the above
35. _____ has a open surface
- A) Solid B) Liquid C) Gas D) Both A & B
36. Molecules of liquid can move freely _____ the liquid
- A) Within B) Outside C) Both A & B D) None of these

37. Sugar is _____ in water
- A) Soluble B) Insoluble C) Can't say D) None of these
38. Mixture of water and sugar is called sugar _____
- A) Mixture B) Syrup C) Solution D) None of these
39. The heavy particles that settle down are called
- A) Solvent B) Solute C) Sediments D) All the above
40. What is the chemical formula of water
- A) H₂O B) HO₂ C) 2HO D) H₂O₂
41. The common method of separation to separate tea leaves from water
- A) Filtration B) Decantation C) Sedimentation D) All the above
42. Which of the following changes is possible with the addition of heat,
- A) Water vapour changes to liquid water B) Water vapour changes to ice
- C) Ice changes to liquid water D) Liquid water changes to ice
43. In which these processes does steam changes to water
- A) Evaporation B) Melting C) Freezing D) Condensation
44. Which of the following can be compressed
- P) Steam Q) Oxygen R) Carbon dioxide
- A) Only P and Q B) Only P and R C) Only Q and R D) P, Q and R
45. Water at room temperature is
- A) Solid B) Liquid C) Gas D) Water vapour
46. The force of attraction between the molecules is the strongest in
- A) Liquid B) Solids C) Gases D) All the above

47. When a liquid changes into a solid, the process is
- A) Freezing B) Condensation C) Melting D) Evaporation
48. The material that dissolve in a liquid is a
- A) Solute B) Solvent C) Residue D) Solution
49. Which gases of these combines to form a molecule of water
- A) Oxygen B) Hydrogen C) Carbon D) Both A & B
50. Which of these is/are present in sugar molecules
- A) Oxygen B) Hydrogen C) Carbon D) All the above

BIOLOGY

51. In photosynthesis, plants make use of sunlight, water and
- A) Oxygen B) Carbon dioxide C) Hydrogen D) Carbon monoxide
52. Identify an omnivore among the following
- A) Elephant B) Crow C) Lion D) Snake
53. What is the primary source of energy in any ecosystem
- A) Oxygen B) Plants C) Sun D) Leaf
54. Identify the xerophyte plant among the following
- A) Cactus B) Water Lilly C) Pine D) Cedar
55. Identify a scavenger from the following
- A) Vulture B) Lion C) Tiger D) Fox
56. All green plants are
- A) Herbivores B) Autotrophs C) Heterotrophs D) Both B & C
57. Cardamom, pepper and cloves are
- A) Dry fruits B) Spices C) Beverages D) Oil seeds

58. The process of which a plant grows from a seed
- A) Germination B) Pollination C) Fertilization D) Fermentation
59. Which of the following vitamins helps in blood clotting
- A) Vitamin A B) Vitamin C C) Vitamin D D) Vitamin K
60. What is used by dogs to mark their area anywhere?
- A) Saliva B) Food C) Urine D) Dirt
61. Name the animal that can see six times better at night
- A) Tiger B) Lion C) Dolphin D) Sloth
62. Which of the following animals ears can be seen from outside?
- A) Pigeon B) Crocodile C) Deer D) Sparrow
63. Which is the largest tiger reserve in Kerala
- A) Parabikulam Tiger Reserve B) Periyar Tiger Reserve
C) Nagarjunasagar Tiger Reserve D) Ranipur Tiger Reserve
64. World environment day?
- A) June 6 B) June 5 C) April 22 D) March 22
65. Green pigment present in plant leaves
- A) Chlorophyll B) Xanthophyll C) Anthocyanine D) Carotene
66. The first vaccine was developed by
- A) Edward Jenner B) Louis Pasteur C) Jonas Salk D) Albert Sabin
67. Which of the following diseases is usually transmitted by mosquitoes?
- A) Jaundice B) Malaria C) Chicken pox D) Typhoid
68. An example of conical root?
- A) Raddish B) Carrot C) Arrow root D) Beet root

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

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

CHEMISTRY

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

BIOLOGY

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

MATHEMATICS

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