

Name .....

## FOUNDATION

Batch..... Roll No. ....

## SCREENING MOCK TEST SERIES

Date: 18-08-2024

FN24<sub>M</sub>/TP/C/

PHYSICS+CHEMISTRY+BIOLOGY+MATHEMATICS

Class : V (Studying)

### PHYSICS

- What is the unit of energy ?  
A) Newton                      B) Joule                      C) Watt                      D) Second
- The energy possessed by an object due to its motion is called  
A) Potential energy      B) Kinetic energy      C) Chemical energy      D) None of these
- Wind energy is used to generate electricity in a  
A) Wind mill                      B) Flour mill  
C) Hydro-electric power station      D) Thermal power station
- Buoyant force                      : Upward force  
.....                      : Downward force  
A) Muscular force      B) Frictional force      C) Electrostatic force      D) Gravity
- Find out the example for zero work ?  
A) Moving a table      B) Walking                      C) Pushing a wall      D) Lifting a rock
- In a microwave oven electrical energy is converted to ..... energy  
A) Heat                      B) Light                      C) Sound                      D) Mechanical
- Find out the correct relationship ?  
A)  $W = F + s$                       B)  $W = F - s$                       C)  $W = F \times s$                       D)  $W = \frac{F}{s}$
- The capacity to do work is called  
A) Energy                      B) Force                      C) Acceleration                      D) None of these
- Which of the following is 'not' a unit of force  
A) Newton                      B) Gram - force                      C) Kilogram - force                      D) Metre per second
- Which energy does 'flowing water' possess ?  
A) Kinetic energy      B) Potential energy      C) Heat energy                      D) Light energy
- A force can change the  
A) Direction of an object                      B) Speed of an object  
C) Shape of an object                      D) All of these
- The force that pulls every object towards the Earth is called  
A) Frictional force      B) Magnetic force      C) Gravitational force      D) Muscular force
- Which of the following is not an example of kinetic energy ?  
A) Moving car                      B) A man walking                      C) Riding a bicycle                      D) An object at rest
- In a bulb, electrical energy is converted into ..... energy  
A) Sound                      B) Light                      C) Kinetic                      D) Potential
- Newton is the unit of  
A) Work                      B) Energy                      C) Force                      D) Mass

16. Muscular force is a ..... force  
A) Contact                      B) Non-contact                      C) Magnetic                      D) None of these
17. What is the main energy source of life on Earth ?  
A) Sun                              B) Moon                              C) Wind                              D) None of these
18. Work and ..... have the same unit  
A) Force                              B) Energy                              C) Mass                              D) Time
19. The given transformation takes place in  
Electrical energy → Sound energy  
A) Electric bell                      B) Torch light                      C) Bulb                              D) Sun
20. Frictional force always ..... the motion  
A) Opposes                              B) Supports                              C) Both A & B                      D) None of these
21. The energy possessed by an object due to its position is called  
A) Chemical energy                      B) Kinetic energy                      C) Potential energy                      D) Heat energy
22. Which of the following is a source of energy ?  
A) The Sun                              B) Wind                              C) Water                              D) All of these
23. Work done = Force × .....  
A) Displacement                      B) Mass                              C) Velocity                              D) Acceleration
24. Which energy is used to cook food ?  
A) Sound                              B) Light                              C) Heat                              D) Electrical
25. What is force ?  
A) Push                              B) Pull                              C) Both A & B                      D) None of these

### CHEMISTRY

26. A substance that occupies space and has mass is called  
A) Air                              B) Matter                              C) Soil                              D) Water
27. Which among the following is not a state of matter ?  
A) Solid                              B) Glass                              C) Gas                              D) Liquid
28. There are ..... states of matter  
A) 1                              B) 2                              C) 3                              D) 4
29. 0° C : freezing point of water :: ..... : boiling point of water  
A) 100°C                              B) 110°C                              C) 98°C                              D) 120°C
30. This states of matter cannot be seen  
A) Solid                              B) Liquid                              C) Gas                              D) All of these
31. Which of the following has a definite shape and volume ?  
A) Liquid                              B) Solid                              C) Gas                              D) None of these
32. Which of the following has a definite volume but no definite shape ?  
A) Solid                              B) Liquid                              C) Gas                              D) All of these
33. On heating water changes into  
A) Solid                              B) Liquid                              C) Gas                              D) None of these

34. The amount of space each thing takes up is called it's  
A) Weight                      B) Area                      C) Volume                      D) All of these
35. All matter is made up of very small  
A) Patterns                      B) Particles                      C) Substances                      D) Gas
36. Particles are tightly packed in  
A) Solid                      B) Liquid                      C) Gas                      D) Water
37. The process by which a solid changes into its liquid form  
A) Melting                      B) Evaporation                      C) Condensation                      D) None of these
38. .... and salt are soluble in water  
A) Sugar                      B) Chalk                      C) Sand                      D) Kerosene
39. Smallest unit of matter is known as  
A) Molecule                      B) Atom                      C) Substance                      D) Volume
40. Which among the following statement is not correct ?  
A) In solids, molecules are tightly packed                      B) Solids have fixed shape  
C) Solids have fixed volume                      D) None of these
41. On heating  
A) Size of matter contracts                      B) Size of matter expands  
C) Size of matter remains the same                      D) None of these
42. Boiling of water is a  
A) Chemical change                      B) Physical change                      C) Biological change                      D) None of these
43. Which state of matter has no definite shape and volume  
A) Gas                      B) Solid                      C) Liquid                      D) None of these
44. Which of the following has maximum space among the particles  
A) Solids                      B) Liquids                      C) Gases                      D) None of these
45. Which state of matter possess the following characteristics ?  
"It occupies the available space in the container in which it is poured"  
A) Solid                      B) Liquid                      C) Gases                      D) Glasses
46. In which state of matter force of attraction between the molecule is the least  
A) Liquid                      B) Gas                      C) Solid                      D) None of these
47. Solid → liquid : melting :: ..... : freezing  
A) Gas → liquid                      B) Liquid → gas                      C) Solid → gas                      D) Liquid → solid
48. Pick the correct option  
A) Liquid can freeze                      B) Solids can freeze                      C) Gas can freeze                      D) All of these
49. Which of the following is a physical change ?  
A) Melting of ice                      B) Baking of cake                      C) Breaking of glass                      D) Both A & C
50. Which of the following has a definite volume but no definite shape  
A) Solid                      B) Liquid                      C) Gas                      D) None of these

**BIOLOGY**

51. Green substances present in the leaves  
A) Chlorophyll      B) Xanthophyll      C) Anthocyanine      D) Carotenoids
52. Silk worms can find its female by its  
A) Smell      B) Colour      C) Sound      D) Touch
53. International year of pulses  
A) 2018      B) 2016      C) 2014      D) 2015
54. Name the animal that can see six-times better at night  
A) Tiger      B) Lion      C) Giraffe      D) Elephant
55. Polio is caused by  
A) Bacteria      B) Virus      C) Fungi      D) Protozoa
56. Gas required by the plants to make food  
A) Oxygen      B) Carbon-dioxide      C) Hydrogen      D) Nitrogen
57. The root-system of wheat is  
A) Fibrous root      B) Tap root      C) Lateral root      D) Stilt root
58. Seeds of coconut plants are dispersed by  
A) Wind      B) Water      C) Animal      D) Birds
59. Who invented the vaccine for small-pox ?  
A) Edward Jenner      B) Alexander Flemming  
C) Louis Pasteur      D) Robert Brown
60. What organisms feeds only on plants ?  
A) Carnivore      B) Omnivore      C) Herbivore      D) Decomposers
61. The way of energy is passed from one organism to another through  
A) Food-chain      B) Food-web      C) Pyramids      D) Ecological niche
62. Very tiny pores present in the lower surface of the leaves is  
A) Stomata      B) Lenticels      C) Epidermis      D) Bulliform - cells
63. Deficiency of iron in the diet causes  
A) Goitre      B) Anaemia      C) Beri beri      D) Scurvy
64. Name the outermost part of a seed  
A) Seed-coat      B) Embryo      C) Radicle      D) Cotyledon
65. Rickets is caused by the deficiency of  
A) Vitamin C      B) Vitamin D      C) Vitamin K      D) Vitamin A
66. 'Flower-bud' used as a spice  
A) Cloves      B) Cardamom      C) Pepper      D) Cumin
67. Which of the following is a produces  
A) Plants      B) Grass Hopper      C) Rabbit      D) Cow
68. Kaziranga National Park is situated in  
A) Orissa      B) Jharkhand      C) Assam      D) Nagaland

69. The rich sources of proteins is  
A) Soyabean                      B) Milk                              C) Orange                              D) Apple
70. The roots arise from the stem and grow vertically downwards into the soil  
A) Prop root                      B) Stilt root                              C) Tap root                              D) Tuberos root
71. World Environmental Day  
A) June 5                              B) September 5                              C) July 4                              D) September 16
72. Carrier of 'Nipah - Virus'  
A) Fruit-bats                      B) Fruit-fly                              C) Mosquito                              D) Pig
73. Grass → Grass hopper → Frog → Snake → Eagle  
In this food chain, the primary consumer is  
A) Frog                              B) Grass hopper                              C) Eagle                              D) Snake
74. An example of storage root  
A) Carrot                              B) Ginger                              C) Turmeric                              D) Potato
75. Rajasthan is the chief producer of  
A) Mustard                              B) Cotton                              C) Wheat                              D) Ground nut

**MATHEMATICS**

76. Twenty four thousand eight hundred and nine =  
A) 24, 809                              B) 2, 450                              C) 27, 890                              D) 28, 567
77. The place value of 0 in 3,042 is  
A) 0                                      B) 100                                      C) 1                                      D) 1000
78.  $20 \times \dots\dots\dots = 2000$   
A) 10                                      B) 1000                                      C) 100                                      D) 20
79. 15 minutes = ..... seconds  
A) 1600                                      B) 1000                                      C) 1500                                      D) 900
80. The line segment joining any two points on the circle is called  
A) Radius                                      B) Chord                                      C) Line                                      D) Circumference
81. .... is the smallest multiple of 17  
A) 17                                      B) 1                                      C) 170                                      D) 70
82. 5 years = ..... months  
A) 50                                      B) 60                                      C) 45                                      D) 65
83. The difference in the place value of 3 in 1,62,303 is  
A) 303                                      B) 300                                      C) 30                                      D) 297
84. The sum of 5 hours 30 minutes and 3 hours 30 minutes is ..... hours  
A) 10                                      B) 9                                      C) 8                                      D) 7
85. How many end points does a ray has ?  
A) 1                                      B) 2                                      C) 3                                      D) 0
86.  $\frac{2}{7} + \frac{4}{7} =$   
A)  $\frac{24}{7}$                                       B)  $\frac{23}{7}$                                       C)  $\frac{6}{7}$                                       D) 7

87. A leap year has ..... days  
A) 365                      B) 390                      C) 312                      D) 366
88. The smallest two-digit number, divisible by both 3 and 9 is  
A) 12                      B) 15                      C) 18                      D) 19
89.  $1 - \frac{1}{2} =$   
A)  $\frac{3}{2}$                       B)  $\frac{1}{2}$                       C)  $1\frac{1}{2}$                       D)  $\frac{5}{2}$
90. There are ..... three-digit numbers in all  
A) 900                      B) 899                      C) 500                      D) 999
91. Which of these is the equivalent fraction for  $\frac{1}{8}$  ?  
A)  $\frac{2}{16}$                       B)  $\frac{2}{5}$                       C)  $\frac{4}{5}$                       D)  $\frac{2}{8}$
92.  $4 \times 0$   
A) 4                      B) 1                      C) 0                      D) 3
93. The total length of the circle is called the ..... of the circle  
A) circumference                      B) radius                      C) diameter                      D) chord
94. The predecessor of the smallest five-digit number is  
A) 10,001                      B) 9,999                      C) 10,999                      D) 11,000
95.  $60 \times 4000 =$   
A) 24                      B) 24000                      C) 2400                      D) 240000
96. Which of the following is a prime number ?  
A) 16                      B) 21                      C) 4                      D) 13
97.  $456 \div 2$  ; Quotient =  
A) 228                      B) 223                      C) 213                      D) 220
98. 7 minutes 40 seconds = ..... seconds  
A) 520                      B) 740                      C) 460                      D) 1400
99.  $\frac{4}{5} + \dots = 1$   
A)  $\frac{1}{5}$                       B)  $\frac{5}{5}$                       C)  $\frac{3}{5}$                       D)  $\frac{4}{5}$
100. The difference of 5 hours 30 minutes and 3 hours 30 minutes is ..... hours  
A) 1                      B) 2                      C) 3                      D) 5

Name .....

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## SCREENING MOCK TEST SERIES

Date: 18-08-2024

FN24<sub>M</sub>/TP/C/

PHYSICS+CHEMISTRY+BIOLOGY+MATHEMATICS

Class : V (Studying)

### PHYSICS

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

### CHEMISTRY

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

### BIOLOGY

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

### MATHEMATICS

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