

Name .....

# FOUNDATION MOCK TEST

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

Date : 21-07-2024

25FTP/P

**PHYSICS+CHEMISTRY+BIOLOGY+MATHS**

Class VII(VI Studying)

## PHYSICS

1. Energy conversion taking place when a bulb is glowing  
A) Electrical energy → Light + Heat      B) Mechanical energy → Light +Sound  
C) Chemical energy → Light +Heat      D) Electrical energy → Light + Sound
2. The process in which substances changes into a new substances by absorbing or releasing energy is called.....  
A) Physical change    B) Temporary change    C) Chemical change    D) Both A and B
3. Motion of the pendulum of a clock is an example of  
A) Oscillation      B) Rotation      C) Revolution      D) Vibration
4. Give an example for transparent object  
A) Copper      B) Rubber      C) Wood      D) Glass
5. What is the standard unit of distance  
A) Kilometre      B) Kilometre /hour      C) Metre      D) Centimetre
6. One metre is ..... cm  
A) 100      B) 1000      C) 1      D)  $\frac{1}{100}$
7. .... is an example of magnetic substances  
A) Plastic      B) Aluminium      C) Wood      D) Iron
8. 5 kilometre is equal to  
A) 500 m      B) 5000 m      C) 50, 000 m      D) 500000 m
9. What do we use to measure curved lengths  
A) Paper      B) Thread      C) Sand      D) Wood
10. 10 millimeter is equal to  
A) 1 km      B) 1 m      C) 1 cm      D) 10 cm
11. Light travels in  
A) Straight line      B) Curved line      C) Zig-zag      D) Randomly

- 
12. Which one of the following is the natural source of light
- A) Moon                      B) Tube light                      C) Electric bulb                      D) Sun
13. Magnets have a shape
- A) Cylindrical    B) Ball shaped
- C) Horse shoe    D) All of these
14. Attraction is seen between the poles of two bar magnets in the case of
- A) N-pole of one magnet with N-pole of other
- B) N-pole of one magnet with S-pole of other
- C) S-pole of one magnet with S-pole of other
- D) All of the above
15. Magnets attract
- A) Wood                      B) Plastic                      C) Paper                      D) Iron
16. Which is the correct relationship
- A)  $1\text{m} = 100\text{ cm}$                       B)  $1\text{cm} = 100\text{ mm}$                       C)  $1\text{ km} = 100\text{m}$                       D) All of the above
17. Which of the following is not a unit of distance
- A) Metre                      B) Feet                      C) Kilogram                      D) Kilometre
18. Which of the following is correct
- A)  $100\text{ mm} = 1\text{ cm}$                       B)  $100\text{cm} = 1\text{m}$                       C)  $10\text{mm} = 1\text{m}$                       D)  $100\text{m} = 1\text{ km}$
19. Freely suspended magnets always come into rest in.....
- A) North direction                      B) South direction                      C) North -south direction                      D) None of the above
20. The motion of a body along a straight line is called
- A) Circular motion                      B) Linear motion                      C) Oscillation                      D) Rotation
21. The object which does not have light of its own is
- A) Shining mirror                      B) Light bulb                      C) Star                      D) Lighted match box
22. Objects which does not allow light to pass through them are called
- A) Opaque objects                      B) Transparent objects                      C) Both A and B                      D) None of the above

- 
23. Shadow of an object is
- A) Red                      B) Blue                      C) Black                      D) White
24. .... help us to see objects
- A) Water                      B) Light                      C) Wind                      D) Air
25. Plastic is opaque but glass is .....
- A) Transparent              B) Translucent              C) Opaque                      D) None of the above

**CHEMISTRY**

26. The smallest particle of a substance
- A) Molecule              B) Atom                      C) Both                      D) None of these
27. In air, molecules present are
- A) Nitrogen              B) Oxygen                      C) Water vapour              D) All of the above
28. A substance containing only one type of molecule, is called as
- A) Impure substance      B) Pure substance              C) Mixture                      D) None of these
29. All solutions are
- A) Homogeneous mixtures                      B) Heterogeneous mixtures
- C) Both                      D) None of these
30. In soda constituent particles are
- A) Water                      B) Carbon dioxide              C) Both                      D) None of these
31. If there are more than one type of molecules present in a substance, it is called
- A) Pure substance              B) Impure substance              C) Mixture                      D) None of these
32. Brass is a mixture of
- A) Solid in solid              B) Liquid in solid              C) Gas in solid                      D) None of these
33. For filtering water, we use
- A) Filter paper              B) Cloth piece                      C) Both                      D) None of these
34. .... is the process of separating the constituent particles of a mixture using a sieve
- A) Decantation              B) Evaporation                      C) Filtration                      D) None of these

- 
35. Select impure substance
- A) Salt                      B) Aluminium                      C) Sugar solution                      D) Oxygen
- 36.....is the process by which a liquid absorbs heat and get converted to vapour
- A) Filtration                      B) Evaporation                      C) Decantation                      D) None of these
37. From which part of the plant, Jute is obtained
- A) Stem                      B) Cotton balls                      C) Root                      D) Leaf
38. .... is a synthetic fibre
- A) Polyester                      B) Cotton                      C) Jute                      D) Wool
39. Wool is .....
- A) Plant fibre                      B) Animal fibre                      C) Synthetic fibre                      D) None of these
40. Ropes are made from.....
- A) Plant fibre                      B) Animal fibre                      C) Coconut fibre                      D) None of these
41. Fibres are mainly.....
- A) One type                      B) Two type                      C) Three type                      D) None of these
42. Nylone is ..... fibre
- A) Natural fibre                      B) Synthetic fibre                      C) Both                      D) None of these
43. Which of the following material is transparent?
- A) Stainless steel plate                      B) Mirror
- C) Glass tumbler                      D) None of these
44. From the given options. Choose the one that does not belong to the group.
- A) Milk                      B) Honey                      C) Oil                      D) Ink
45. Which of the following is completely soluble in water
- A) Chalk powder                      B) Tea leaves                      C) Sawdust                      D) Sugar
46. Choose the odd one out
- A) Gold                      B) Silver                      C) Plastic                      D) Diamond
47. Mustard oil and kerosene are..... liquid
- A) Immiscible                      B) Miscible                      C) Soluble                      D) Insoluble



- 
61. First level of the food chain is formed by  
A) Herbivores            B) Carnivores            C) Decomposers            D) Producer
62. Which of the following is not a part of a flower?  
A) Leaves            B) Petals            C) Stamens            D) Sepals
63. What is the reproductive organ of plants?  
A) Seed            B) Flower            C) Stem            D) Leaf
64. Seed germination happen from how many numbers of seeds?  
A) One (single)            B) Two (twice)            C) Three            D) Four
65. The innermost part of a flower is called.....  
A) Pistil            B) Stamen            C) Sepals            D) Petals
66. Seed can be defined as.....  
A) Fertilized egg            B) Mature ovule            C) Embryo            D) Gynoecium
67. The cell is not applied for  
A) Algae            B) Bacteria            C) Virus            D) Fungi
68. A cell without a cell wall is termed as  
A) Tonoplast            B) Symplast            C) Protoplast            D) Apoplast
69. A plant cell wall is mainly composed of .....
- A) Protein            B) Cellulose            C) Lipid            D) Starch
70. The animal whose movement is usually termed 'creeping' is  
A) Snake            B) Fish            C) Snail            D) Cockroach
71. Which of the following part of our body help us in movement?  
A) Skin            B) Blood            C) Organs            D) Bones
72. How many muscles work together to move a bone?  
A) One            B) Two            C) Three            D) Four
73. Which organ of the frog helps it to swim in water?  
A) Legs            B) Scales            C) Webbed feet            D) Lungs
74. The bones in our body form a frame work to give shape to our body. This frame work is called?  
A) Spine            B) Skeleton            C) Pelvic girdle            D) Sternum
75. A snail moves with the help of its  
A) Shell            B) Bone            C) Muscular foot            D) Whole body

---

**MATHEMATICS**

76. The predecessor of 12000 is  
A) 11999                      B) 12001                      C) 12999                      D) 11009
77. 1 crore = ..... ten lakh  
A) 100                      B) 10                      C) 10000                      D) 1000
78. One fourth part of a circle is known as a.....  
A) Semi-circle                      B) Major segment                      C) Sector                      D) Quadrant
79. How many pairs of opposite angles are there in a quadrilateral ?  
A) 1                      B) 2                      C) 3                      D) 4
80. The smallest 4-digit number using 2, 0, 9, 5 is .....  
A) 2059                      B) 9520                      C) 0295                      D) 5209
81. 1 metre = ..... millimetres  
A) 1000                      B) 10                      C) 100                      D) 10000
82. How many even numbers are there between 58 and 80  
A) 11                      B) 10                      C) 12                      D) 13
83. The complete distance around a circle is known as  
A) Sector                      B) Quadrant                      C) Circumference                      D) Segment
84. An angle that has measure of exactly  $90^\circ$  is called.....  
A) Acute angle                      B) Right angle                      C) Straight angle                      D) Complete angle
85. LCM of 15, 20, 30 is  
A) 50                      B) 20                      C) 60                      D) 15
86. What is the value of  $8 - (4 \times 2) \div 8$   
A) 7                      B) 0                      C) 8                      D) 1
87. The longest chord of a circle is known as  
A) Radius                      B) Diameter                      C) Circumference                      D) Sector







Name .....

.....

# FOUNDATION MOCK TEST

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

Date : 21-07-2024

25FTP/P

***PHYSICS+CHEMISTRY+BIOLOGY+MATHS***

Class VII(VI Studying)

<u>PHYSICS</u>	<u>CHEMISTRY</u>	<u>BIOLOGY</u>	<u>MATHS</u>
1. A	26. A	51. D	76. A
2. C	27. D	52. B	77. B
3. A	28. B	53. A	78. D
4. D	29. A	54. B	79. B
5. C	30. C	55. C	80. A
6. A	31. C	56. B	81. A
7. D	32. A	57. A	82. B
8. B	33. C	58. C	83. C
9. B	34. C	59. A	84. B
10. C	35. C	60. C	85. C
11. A	36. B	61. D	86. A
12. D	37. A	62. A	87. B
13. D	38. A	63. B	88. A
14. B	39. B	64. A	89. D
15. D	40. C	65. A	90. C
16. A	41. B	66. B	91. D
17. C	42. B	67. C	92. C
18. C	43. C	68. C	93. B
19. C	44. C	69. B	94. D
20. B	45. D	70. A	95. C
21. A	46. C	71. D	96. C
22. A	47. A	72. B	97. D
23. C	48. D	73. C	98. C
24. B	49. B	74. B	99. B
25. A	50. A	75. C	100. D