

Name

FOUNDATION

Batch..... Roll No.

SCREENING MOCK TEST SERIES

Date: 07-07-2024

FN24_M/TP/C/

PHYSICS+CHEMISTRY+BIOLOGY+MATHEMATICS

Class : V (Studying)

1. A book resting on a table is an example of
A) Unbalanced force B) Balanced force C) Non contact force D) None of these
2. Changing of water vapour into water on cooling is called
A) Sedimentation B) decantation C) Condensation D) Evaporation
3. Venus : Hottest planet : : : Coldest planet
A) Jupiter B) Neptune C) Uranus D) Mars
4. Work done depends on the
A) Force applied B) Energy C) Object D) None of these
5. SI unit of work
A) Newton B) Joule C) Force D) Power
6. Largest planet in the solar system
A) Mars B) Jupiter C) Earth D) Mercury
7. Force which acts on a body when the body is in contact with the force is called
A) Gravitational force B) Magnetic force C) Contact force D) None of these
8. The force involved in falling of an apple from a tree is
A) Friction B) Gravity C) Air resistance D) None of these
9. Energy of Sun (solar energy) is available on earth in the form of
A) Heat energy B) Light energy C) Both heat & light D) None of these
10. Name of the planet in which we live
A) Earth B) Sun C) Moon D) None of these
11. is done when a force moves an object through some distance
A) Power B) Force C) Work D) None of these
12. 30 meter = cm
A) 500 cm B) 1000 cm C) 300 cm D) 3000 cm
13. SI unit of energy
A) Joule B) Volt C) Kgm D) m/s²
14. Acceleration due to gravity at the surface of earth (m/s²)
A) 5 B) 20 C) 7 D) 9.8
15. Source of energy that can be used again and again will never run out
A) Renewable energy B) Non renewable energy
C) Mechanical energy D) None of these
16. Which planet have highest mountain in solar system
A) Earth B) Mars C) Venus D) Mercury
17. is a push or pull which changes or tends to change the state of rest or position of a body
A) Force B) Energy C) Impulse D) None of these

18. Total number of planets in our solar system
A) 5 B) 10 C) 8 D) 6
19. Energy possessed by a body due to state of motion is called
A) Magnetic energy B) Kinetic energy C) Solar energy D) None of these
20. Nearest planet to the Sun is
A) Saturn B) Earth C) Jupiter D) Mercury
21. In electrical fan electrical energy is converted into
A) Sound energy B) Potential energy C) Mechanical energy D) None of these
22. Ability to do work is called
A) Force B) Gravity C) Energy D) None of these
23. Hydro energy : Water :: Solar energy :
A) Sun B) Wind C) Water D) Moon
24. Earth is known as the planet
A) Red B) Blue C) White D) Yellow
25. Match the following

a)	Electric bulb	1)	From the fuel
b)	Vehicle get energy	2)	Air pollution
c)	Burning of wood causes	3)	Is a source of light energy

- A) a-3, b-1, c-2 B) a-1, b-2, c-3 C) a-3, b-2, c-1 D) a-2, b-1, c-3

CHEMISTRY

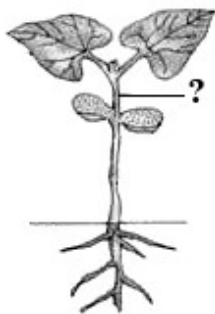
26. Matter has
A) Area B) Weight C) Volume D) All of these
27. Water, milk and juice are example of
A) Solid B) Liquid C) Gas D) All of these
28. Sugar is in water
A) soluble B) insoluble C) All of these D) None of these
29. The conversion of solid into gas without changing into liquid is known as
A) Heating B) Evaporation C) Melting D) Sublimation
30. There are states of matter
A) three B) one C) two D) All of these
31. Sedimentation can separate only insoluble heavy particles from a
A) Solid B) Liquid C) Gas D) None of these
32. The addition of bleaching powder to the water
A) Kills the microorganisms B) Hleps the microorganisms to grow
C) Feeds the microorganisms D) None of these
33. The unwanted particles present in a substance are known as
A) Separation B) Impurities C) Purities D) None of these

34. The substance contain one type of particles are called
A) Pure substances B) Impure substances C) None of these D) All of these
35. The property which forms the base of sieving is
A) Difference in weight B) Difference in colour
C) Difference in shape D) Difference in size
36. Which among the following is not a state of matter
A) Glass B) Solid C) Liquid D) Gas
37. Saturated solution containing maximum amount of
A) Floating solid B) Mixed particles C) Dissolved solid D) Suspended solid
38. Butter is separated from milk by
A) Churning B) Sedimentation C) Decantation D) Winnowing
39. What would happen to a spoon when you put it in water
A) Sink B) Float C) Remain still D) None of these
40. Salt and Sugar easily dissolve in water because they are in nature
A) insoluble B) soluble C) sparingly soluble D) immiscible
41. The process of conversion of water into vapour is called
A) Condensation B) Evaporation C) Sedimentation D) Decantation
42. Filtration is a method to separate the components of a
A) Solution B) Mixture of a liquid and an insoluble substance
C) None of these D) Both of these
43. Salt is obtained from sea water by drying it in the Sun. The process is known as
A) Filtration B) Evaporation C) Sedimentation D) Condensation
44. Rain water is a kind of
A) Saline water B) Distilled water C) Carbonated water D) Saturated water
45. A boat floats on water but a needle sinks down, it is due to
A) Density of water B) Evaporation of water
C) Weight of an object D) Volume
46. Separation of kerosene and water is done by
A) Decantation B) Filtration C) Condensation D) Crystallisation
47. The clear liquid obtained after filtration is called
A) Residue B) Filtrate C) Solution D) Water
48. Identify the mixture from the following
A) Oxygen B) Carbondioxide C) Hydrogen D) Air
49. Principle behind winnowing is
A) Difference in densities of components B) Difference in colours of components
C) Difference in appearance of components D) Difference in shapes of components
50. The separation technique used to separate a solid-solid mixture is
A) Decantation B) Evaporation C) Filtration D) Hand picking

BIOLOGY

51. Select an ecosystem from the following
 A) River B) Paddy field C) Forest D) All of these
52. A frog can move through water with the help of
 A) tail B) webbed feet C) pointed nose D) slimy body
53. Plants without seeds can propagate by
 A) budding B) grafting C) layering D) All of these
54. Identify the odd one
 A) Bamboo root B) Grass root C) Papaya root D) Coconut root
55. Plumule grows into
 A) Stem B) Root C) Leaf D) Flower
56. The pigment which give green colour to the leaf is called
 A) Xanthophyll B) Anthocyanin C) Chlorophyll D) Phycocyanine
57. Among the following which leaf shows parallel venation ?
 A) Bamboo B) Rubber C) Rose D) Hibiscus
58. The outer part of the stem of monocot plant is than the inner part
 A) harder B) softer C) bigger D) smaller
59. An organism has certain peculiarities that help it to live in its dwelling place is called
 A) Adaptation B) Acclimalization C) Both A and B D) None of these
60. When a seed germinate, the part which came out first is called
 A) Plumule B) Radicle C) Cotyledon D) Young leaf
61. Select a plant originated in Brazil
 A) Cashew tree B) Rubber C) Both A and B D) Not given

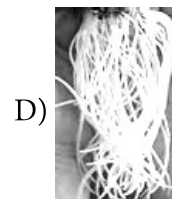
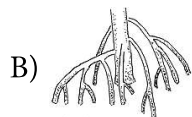
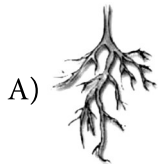
62.



The part mentioned in this picture is

- A) Cotyledon B) Stem C) Plumule D) Radicle
63. Which adaptation is suitable for water lily ?
 A) Flower with fragrance B) Tasty fruit
 C) Wax coated leaf D) Short stem
64. Which one of the following organism spends more time in water ?
 A) Elephant B) Monkey C) Crane D) Crocodile
65. Among the following, which leaf has reticulate venation ?
 A) Paddy leaf B) Tapioca leaf C) Wheat leaf D) Sugarcane leaf

66. Which among the following is not necessary for seed germination ?
 A) Favourable temperature B) Air
 C) Water D) Sunlight
67. The outer part of the stem of dicot plants is than the inner part
 A) harder B) softer C) smaller D) bigger
68. How many cotyledons are present in Paddy ?
 A) 3 B) 2 C) 1 D) 4
69. The thick leaf like part present in plumule is called
 A) Stem B) Cotyledons C) Root D) Leaf
70. Living things are known as
 A) Biotic factors B) Abiotic factors C) Co-factors D) Not given
71. The root which hold the plant firmly in the soil is
 A) Stilt root B) Prop root C) Tap root D) Fibrous root
72. Select the suitable root



73. How does the shape of body helps a fish ?
 A) To collect food B) To move in water C) To live in all climates D) To breath
74. A cluster of similar roots is called
 A) Tap root B) Fibrous root C) Prop root D) Stilt root
75. Which of the following percularities differentiates a tortoise from a rabbit ?
 A) Eating food B) Breathing C) Living on land and water D) Movment

MATHEMATICS

76. Which of the following number is not divisible by 2 ?
 A) 783 B) 3834 C) 10000 D) 2376
77. 232452 is a number divisible by
 A) 2,3,4 and 6 B) 2,3,4 and 5 C) 2,3,4 and 10 D) 2,3,4 and 8
78. The number with unit digit 0 or 5 is divisible by
 A) 2 B) 3 C) 4 D) 5
79. Find the missing factor
 $7 \times \dots = 56$
 A) 8 B) 7 C) 9 D) 10

80. Find the least 4 digit number that is divisible by 8
A) 1000 B) 1008 C) 4000 D) 1016
81. Find the smallest whole number that is divisible by 10 and 12
A) 40 B) 30 C) 72 D) 60
82. What is the sum of the first 5 multiples of 8 ?
A) 90 B) 60 C) 30 D) 120
83. How many $\frac{2}{3}$ kg pieces can be cut from a cake of weight 4 kg ?
A) 8 B) 6 C) 5 D) 4
84. $\left(\frac{2}{5}\right) \times 5\frac{1}{4} = ?$
A) $\frac{21}{10}$ B) $\frac{10}{21}$ C) $\frac{22}{10}$ D) $\frac{23}{10}$
85. Find the diameter of a circle whose radius is 1.4 cm
A) 2.8 cm B) 2 cm C) 2.4 cm D) 3.8 cm
86. The fixed point in the centre of a circle is called its
A) Radius B) circumference C) Diameter D) Centre
87. Convert 16 minutes into hour
A) 2 hour B) 1 hour C) $\frac{1}{2}$ hour D) 3 hour
88. Rima went to sleep at 11.00 pm and woke at 6.30 am. How much time she slept ?
A) 6 hr. B) 6 hr. 30 min. C) 7 hr. D) 7 hr. 30 min
89. Compare 2000g 2kg
A) < B) > C) = D) None of these
90. Weight of 1 orange is 235 gm. What is the weight of 1 dozen oranges ?
A) 2820 gm B) 2000 gm C) 282 gm D) 200 gm
91. Fill in the blanks : 3000 cm = m
A) 3m B) 300m C) 30m D) 3000m
92. At 3.25, the smaller angle formed between the two hands of a clock is
A) obtuse B) acute C) right D) None of these
93. Which of the following angle will have highest degree of measurement ?
A) Straight angle B) Right angle C) Obtuse angle D) Acute angle
94. A polygon with eight sides is
A) Octagon B) Heptagon C) Decagon D) Hexagon
95. Polygon that have equal sides and angles are
A) irregular B) regular C) convex D) concave
96. 1000 90578
A) < B) > C) = D) None of these

97. Perimeter of a circle is

A) $2\pi r$

B) $2\pi r^2$

C) $2r$

D) πr

98. Compare 3000 g 3 kg

A) $<$

B) $>$

C) $=$

D) None of these

99. $\frac{1}{4}$ of 144 = ?

A) 36

B) 38

C) 32

D) 30

100. Complete $\frac{1}{4} = \frac{x}{16}$

A) 1

B) 3

C) 4

D) 2

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PHYSICS

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

CHEMISTRY

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

BIOLOGY

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

MATHEMATICS

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