Name ....

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

Date: 18-08-2024

FOUNDATION

SCREENING MOCK TEST SERIES

FN24$_M$/TP/C/ | PHYSICS+CHEMISTRY+BIOLOGY+MATHEMATICS | Class : VI (Studying)

PHYSICS

1. The substances that get attracted towards a magnet are called

    A) Magnetic   B) Non-magnetic   C) Transparent   D) Luminous

2. Which of the following gets attracted to a magnet ?

    A) Copy book   B) Silver spoon   C) Comb   D) Common pins

3. The distance between Delhi and Mumbai is usually expressed in units of

    A) Decametre   B) Metre   C) Kilometre   D) Centimetre

4. Convert 1 m in centimetre

    A) 10 cm   B) 100 cm   C) 1000 cm   D) 42 cm

5. Motion of a wheel of a bicycle is

    A) Rectilinear   B) Circular   C) Rectangular   D) Both A and B

6. Motion that repeats itself after fixed interval of time is called

    A) Circular motion   B) Rectilinear motion

    C) Periodic motion   D) None of the above

7. Light travels in

    A) Straight line   B) Curved line   C) Zig zag line   D) Randomly

8. Which type of objects do not allow light to pass through them ?

    A) Translucent   B) Opaque   C) Transparent   D) Penumbra

9. Bouncing back of light from shining surfaces is called

    A) Reflection   B) Refraction   C) Bending   D) Dispersion

10. Which of the following is a non-magnetic material ?

    A) Iron   B) Cobalt   C) Glass   D) Nickel

11. Like poles of two magnets always

    A) Repel each other   B) Attract each other

    C) Sometimes repel some times attract each other   D) Can't say

12. One meter is .... centimeter

    A) 10 cm   B) 100 cm   C) 1000 cm   D) 42 cm

13. Motion of a top is an example of

    A) Vibrating motion   B) Rectilinear motion

    C) Rotational motion   D) All the above

14. When an opaque object comes in the path of light it forms

    A) an image with colours   B) shadow

    C) black and white image   D) depends on the colour of light

15. Force acts on an object may change

    A) Direction   B) Shape   C) Speed   D) All of above

16. When two forces act in opposite directions, then net force acting two forces

    A) Sum of two factors   B) Difference between two factors

    C) Both of these   D) None of these

17. What is state of motion ?

    A) Position of rest   B) Position of motion

    C) Both by the state of rest or motion   D) None of these

18. Which energy we get by burning of fuels ?

    A) Heat   B) None of these   C) Light   D) Solar

19. Which energy is used to cook food ?

    A) Heat   B) Sound   C) Mechanical   D) Light

20. Wind energy is used to generate electricity in a

    A) Wind mill   B) Rice mill   C) Flour mill   D) None of these

21. What is lateral inversion ?

    A) Image becomes inverted

    B) Image bends laterally

    C) Right of the object appears left of the image

    D) All of the above

22. Moons and planets

    A) Radiate light energy   B) Reflect light energy

    C) Absorb light energy   D) Split light energy

23. A non luminous body can be made luminous by

    A) Cooling it   B) Melting it   C) Heating it   D) Evaporating it

24. The SI unit of force is

    A) Newton   B) m/s   C) m/s^2 D) s^2m^2

25. Choose the correct relationship between force and mass

    A) $F = \dfrac{mass}{acceleration}$ B) $F = mass \times acceleration$

    C) $F = \dfrac{mass^2}{acceleration}$ D) $F = \left(mass \times acceleration \right)^2$

CHEMISTRY

26. Primary function of carbohydrates in our body

    A) To provide energy   B) To build muscles

    C) To protect against diseases   D) To help in digestion

27. Which vitamin is essential for maintaining good eyesight ?

    A) Vitamin A   B) Vitamin C   C) Vitamin D   D) Vitamin E

28. What does a deficiency of vitamin D causes ?

    A) Scurvy   B) Rickets   C) Beri-Beri   D) Night blindness

29. Which of the following is not a function of proteins ?

    A) Providing energy   B) Helping in digestion

    C) Growth and repair of body tissues   D) Supporting immune function

30. Which of the following material is transparent ?

    A) Glass   B) Rubber   C) Wood   D) Metal

31. Photosynthesis by plants releases

    A) O_2 B) CO_2 C) Co   D) H_2

32. Which gas makes up major part of the air

    A) Nitrogen   B) Helium   C) Krypton   D) Argon

33. Which of the following components of air cannot taken directly by plants ?

    A) Carbon dioxide   B) Oxygen   C) Nitrogen   D) None of above

34. Nitrogen is used

    A) In preserving tinned foods   B) As a refrigerant

    C) In electric bulbs   D) All are correct

35. The constituent of air that support combustion is

    A) Oxygen   B) Nitrogen   C) Carbon dioxide   D) None of these

36. Air is considered to be a / an

    A) Compound   B) Mixture   C) Element   D) Solvent

37. Nitrogen is required by the plants to make

    A) Fats   B) Proteins   C) Minerals   D) Carbohydrates

38. The component which is not present in air is

    A) Nitrogen   B) Oxygen   C) Carbon dioxide   D) Chlorine

39. The two major gaseous components of air are

    A) Nitrogen and oxygen   B) Carbon dioxide and oxygen

    C) Argon and water vapour   D) Argon and carbon dioxide

40. Clothes dry faster when there is .... water vapour in air

    A) less   B) more   C) either less or more   D) None of these

41. From the given options, choose the one that does not belong to the group

    A) Milk   B) Honey   C) Oil   D) Ink

42. The liquids that dissolve in one another are called

    A) Immiscible   B) Miscible   C) Insoluble   D) None of above

43. Which of the following materials do not have lustre ?

    A) Iron   B) Gold   C) Plastic   D) Silver

44. Which of the following is completely soluble in water ?

    A) Chalk powder   B) Tea leaves   C) Sugar   D) Saw dust

45. The property of materials to be compressed easily is

    A) Softness   B) Hardness   C) Lustre   D) All the above

46. Choose the odd one out of the given options below

    A) Gold   B) Silver   C) Diamond   D) Plastic

47. Mustard oil and Kerosene are .... liquids

    A) Miscible   B) Immiscible   C) Soluble   D) Insoluble

48. Which of the following materials is hard ?

     A) Cotton   B) Paper   C) Sponge   D) Table

49. Which of the following will float on water ?

     A) Iron   B) Ice   C) Sugar   D) Book

50. All gases in the air are .... conductors of heat

     A) Good   B) Bad   C) Both A and B   D) None of these

BIOLOGY

51. We get sugar from

     A) Rice   B) Wheat   C) Milk   D) Sugarcane

52. Brinjal curry is made with green colour bringals.

     Brinjal is a :

     A) Fruit   B) Seed   C) Flower   D) Leaf

53. Where does honey come from ?

     A) Fruits   B) Animals   C) Flowers   D) Stem

54. Which part of the mustard plant can be used as food ?

     A) Seed and stem   B) Seed and leaf   C) Stem and root   D) Root and seed

55. Which parts of the banana plant can be used as food

     A) Fruit, leaf, root, stem   B) Stem, flower, root

     C) Fruit, stem, flower   D) Flower, root, leaf

56. Human beings are

     A) Herbivores   B) Carnivores   C) Omnivores   D) Decomposers

57. Which of the following living organisms uses sunlight to make its food ?

     A) Cat   B) Frog   C) Snake   D) Coconut tree

58. Name two ingredients in our food that are not obtained from plants or animals ?

     A) Ghee, butter   B) Nectar, seed   C) Salt, water   D) Roughage, sugar

59. Which of the following helps in conversion of nectar to honey ?

     A) Human   B) Butterfly   C) Birds   D) Bees

60. Which of the following animals are omnivores ?

     A) Human beings and cockroach   B) Goat and human beings

     C) Cockroach and eagle   D) Human beings and eagle

61. Can you suggest the example of spices which we get from plants ?

     A) cinnamon, cardamom   B) Clove, Chili

     C) Pepper, Cumin   D) All the above

62. Which one is the best for health ?

     A) Boiled seeds   B) Roasted seeds   C) Sprouted seed   D) Wet swollen seeds

63. Which of the following is a root vegetable ?

     A) Potato   B) Carrot   C) Cucumber   D) Onion

64. Plant eating animal is termed as

     A) Herbivores   B) Carnivores   C) Omnivores   D) Decomposers

65. Which of the following is not a food ?

A) Pulses   B) Bread   C) Petrol   D) Ghee

66. The essential components of our food are called

A) Fats   B) Nutrients   C) Minerals   D) Roughage

67. Which of the following is a protective food ?

A) Milk   B) Oils & fats   C) Fruits   D) Cereals

68. The percentage of water in the human body is

A) 65   B) 70   C) 40   D) 80

69. The food component present in sugar is

A) Fats   B) Proteins   C) Vitamins   D) Carbohydrates

70. Foods like pizza, burger and noodles are rich in

A) Carbohydrates   B) Proteins   C) Vitamins   D) Minerals

71. The mineral which controls the functioning of thyroid is

A) Phosphorous   B) Calcium   C) Magnesium   D) Iodine

72. The component of food which help our body to fight against infection is

A) Proteins   B) Fats   C) Carbohydrates   D) Starch

73. The disease caused by the deficiency of iodine is

A) Anaemia   B) Goitre   C) Chicken pox   D) Swine flu

74. .... helps to maintain a constant body temperature in our body

A) Roughage   B) Vitamins   C) Water   D) Energy giving food

75. Our body needs .... litres of water every day

A) 1/2   B) 2-3   C) 7-8   D) 10-15

MATHEMATICS

76. What is the name of the point where the radius of a circle meets the circle ?

A) Centre   B) Circumference   C) Diameter   D) Radius

77. What is the term for a line that touches a circle at only one point ?

A) Radius   B) Diameter   C) Chord   D) Tangent

78. If the radius of a circle is 4 cm, what is the diameter ?

A) 4 cm   B) 6 cm   C) 8 cm   D) 10 cm

79. Number of whole numbers between 38 and 68 is

A) 31   B) 30   C) 29   D) 28

80. The number of factors of 36 is

A) 6   B) 7   C) 8   D) 9

81. A number is divisible by 5 and 6. It may not be divisible by

A) 10   B) 15   C) 30   D) 60

82. LCM of 10, 15 and 20 is

A) 30   B) 60   C) 90   D) 180

83. The number of diagonals of a pentagon is

A) 3   B) 4   C) 5   D) 10

84. The sum of first five multiples of 6 is

     A) 30   B) 60   C) 90   D) 120

85. Representation of data in the form picture is called

     A) Pictograph   B) Histogram   C) None of these   D) Bar graph

86. If 'O' represents 5 eggs how many eggs does O O O O represent

     A) 4   B) 16   C) 20   D) 25

87. If a symbol is used to represent 100 flowers then how many such symbols are to be drawn to show 800 flowers ?

     A) 8   B) 12   C) 10   D) 80

88. An accurate clock shows 8 O' clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 O' clock in the afternoon ?

     A) $144°$ B) $150°$ C) $168°$ D) $180°$

89. Find the angle created by minute hand in 15 minutes ?

     A) $54°$ B) $50°$ C) $90°$ D) $80°$

90. If today is Friday then what day will it be after 60 weeks ?

     A) Monday   B) Tuesday   C) Friday   D) Saturday

91. Average of 21 numbers is 14, if '2' is subtracted from every number what will be the new average

     A) 11   B) 13   C) 12   D) 10

92. Find the average of first 847 even numbers ?

     A) 8470   B) 848   C) 8484   D) 84840

93. Find the average of first '10' odd numbers

     A) 100   B) 1   C) 10   D) 1000

94. A machine, on an average, manufactures 2825 screws a day. How many screws did it manufacture in the month January ?

     A) 84750   B) 87575   C) 81925   D) 79100

95. Which of the following is the Roman Numeral for 69

     A) LXXI   B) LXIX   C) CXIX   D) CXXI

96. Write the number for the expanded form

     $2 \times 10000 + 8 \times 10 + 5 \times 1$

     A) 20085   B) 20805   C) 28005   D) 200085

97. The value of $81265 \times 169 - 81265 \times 69$

     A) 81265000   B) Zero   C) 8126500   D) 8026500

98. The smallest 8 digit number is called

     A) Ten lakh   B) One lakh   C) Ten crore   D) One crore

99. If we add 1 more to the greatest 5-digit number we get

     A) Smallest 5-digit number   B) smallest 4-digit number

     C) Smallest 3-digit number   D) Smallest 6-digit number

100. A point where three or more lines meet is called

     A) Point of concurrence   B) Meeting point

     C) Collinear point   D) Non-collinear point

| **FN24_M/TP/C/** | **PHYSICS+CHEMISTRY+BIOLOGY+MATHEMATICS** | **Class : VI (Studying)** |

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