

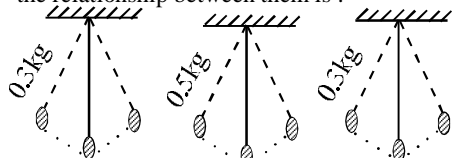
- (4) -

39. Match column A and column B.

ColumnA	ColumnB
a) layering	i) grapevine
b) stem cutting	ii) orange
c) Grafting	iii) jasmine
d) Root cutting	iv) mango

(A) a b c d	(B) a b c d
iv iii i ii	ii i iii iv
(C) a b c d	(D) a b c d
iii i iv ii	iii iv i ii

40. The masses of the bobs of three simple pendulums are shown in the figures. The three pendulums have the same length of the strings. If t_1, t_2 and t_3 are the time periods of the first, second and third pendulum respectively, then the relationship between them is :



1st pendulum 2nd pendulum 3rd pendulum

(A) $t_1 = t_3 > t_2$	(B) $t_1 = t_3 < t_2$
(C) $t_2 > t_1 > t_3$	(D) $t_1 = t_2 = t_3$

41. Which of the following has a larger particle size of constituents?

(A) clay	(B) silt
(C) sand	(D) fine particles

42. A digene tablet is dissolved in water. Then the solution

- (A) turns red litmus paper into blue colour
- (B) turns blue litmus paper into red colour
- (C) has no effect on litmus paper
- (D) both A and B

43. Respiratory organ of earthworm is

(A) spiracles	(B) Tracheae
(C) Skin	(D) Nephridia

44. During a cyclone which place is safest to avoid from the damages of cyclone?

- (A) ground floor of the house

- (B) under a strong piece of furniture in the house
- (C) the corners of the house
- (D) underground shelter

45. Of the total water available on earth, the amount of water available for use by human beings and other living organisms is

(A) 0.01%	(B) 0.003%
(C) 3%	(D) 2.6%

46. Match column A and column B.

ColumnA	ColumnB
i) lipase	i) digests protein
b) chymotrypsin	ii) digests fats
c) salivary amylase	iii) digests starch
(A) i ii iii	(B) i ii iii
a b c	a c b
(C) i ii iii	(D) i ii iii
c a b	b a c

47. What happens when carbon dioxide is passed through limewater ?

- (A) magnesium carbonate is formed
- (B) calcium carbonate is formed
- (C) sodium hydrogen carbonate is formed
- (D) calcium hydroxide is formed.

48. In loamy soil, the amount of clay present is

(A) 1/10	(B) 2/3
(C) 1/5	(D) 2/5

49. Souring of milk is a

- (A) Physical and reversible change
- (B) Physical and irreversible change
- (C) Chemical and reversible change
- (D) Chemical and irreversible change

50. Match the following :

ACID	FOUND IN
(a) Acetic acid	(i) Amla
(b) Citric acid	(ii) Curd
(c) Vitamin C	(iii) Vinegar
(d) Lactic acid	(iv) Orange
(A) a b c d	(B) a b c d
iv i ii iii	i iii iv ii
(C) a b c d	(D) a b c d
iii iv i ii	iv iii i ii

- (1) -

1. Clinical thermometer is marked to read the temperature within the range of

- (A) 25°C and 45°C
- (B) 30°C and 50°C
- (C) 35°C and 42°C
- (D) 35°C and 45°C

2. Water spout is the another name of

- (A) Hurricane
- (B) Tornado
- (C) Cyclone
- (D) Typhoon

3. Animals hibernate to adapt themselves in

- (A) Warm climate
- (B) Cold climate
- (C) Hot climate
- (D) Both A and C

4. An adult person breathes 65 times in 300 seconds. His/Her breathing rate is

- (A) below normal
- (B) normal
- (C) above normal
- (D) half of the normal breathing rate

5. Papaya, rose, mustard, pumpkin, cucumber, corn, petunia. The number of bisexual flowers in the flowers of the above plants is

- (A) 2
- (B) 3
- (C) 4
- (D) 5

6. Water animals like fishes excrete mainly

- (A) ammonia
- (B) urea
- (C) uric acid
- (D) Both B and C

7. Pulmonary veins carry

- (A) deoxygenated blood from the heart to the lungs
- (B) deoxygenated blood from the lungs to the heart
- (C) oxygenated blood from the heart to the lungs
- (D) oxygenated blood from the lungs to the heart

8. The speeds of three bodies A, B and C are respectively (i) 70 km/hr (ii) 1800 cm/sec (iii) 20 m/s. The order of the speeds in ascending order is

- (A) iii < ii < i
- (B) iii < i < ii
- (C) ii < i < iii
- (D) i < ii < iii

9. A battery consists of

- (A) one cell
- (B) two cells
- (C) three cells
- (D) more than one cell

10. The lens used in the projector is

- (A) concave lens
- (B) convex lens
- (C) either A or B
- (D) both A and B

11. "A young branch is lowered down and bent towards the ground and covered by moist soil". This step is a part of

- (A) Layering
- (B) Grafting
- (C) Stem cutting
- (D) Root cutting

12. The number of correct statement in the following statements is

- Vermiform appendix has a specific function.
- Reticulum is considered as true stomach in ruminants.
- Pseudopodium plays a role in movement and food capturing in Amoeba
- The type of nutrition in Amoeba is holozoic nutrition

- (A) 1
- (B) 2
- (C) 3
- (D) 4

13. Marwari sheep gives

- (A) Good quality wool
- (B) Brown fleece
- (C) carpet wool
- (D) coarse wool

14. Choose the neutralisation reaction

- (A) $2HCl + 2Fe \rightarrow FeCl_2 + H_2$
- (B) $H_2SO_4 + 2NaCl \rightarrow Na_2SO_4 + 2HCl$
- (C) $NaOH + HCl \rightarrow NaCl + H_2O$
- (D) $H_2SO_4 + Cu \rightarrow CuSO_4 + H_2$

15. Mohair is the fibre obtained from

- (A) Angora Goat
- (B) Kashmiri Goat
- (C) Angora Rabbit
- (D) Camel

16. The body temperature of some persons are 36°C, 37°C, 38°C, 34.5°C, 40°C, 35.6°C, 36.8°C, 39°C, 35°C, 28°C and 37.5°C. The number of persons who have body temperature above the normal body temperature is
(A) 4 (B) 3
(C) 6 (D) 8
17. The chemical formula of sucrose is
(A) $C_6H_{12}O_6$ (B) $C_{12}H_{22}O_{12}$
(C) $C_{12}H_{24}O_{11}$ (D) $C_{12}H_{22}O_{11}$
18. The percolation time for 'm' ml of water for a sample of soil is t_1 minutes and the percolation time for 'n' ml of water for a sample of another soil is t_2 minutes. The difference in the percolation rate of the two samples of soil (in ml/min) is
(A) $\frac{|m_1^2 - m_2^2|}{t_1 t_2}$
(B) $\frac{|m_2 - m_1|}{|t_1 t_2|}$
(C) $\frac{|m_1 t_2 - m_2 t_1|}{t_1 t_2}$
(D) $\frac{|m_1 t_1 - m_2 t_2|}{t_1 t_2}$
19. When high speed wind blows over the roof of a house, the higher pressure zone is
(A) the region below the roof
(B) the region above the roof
(C) at a height of 1m above the roof
(D) the interface of the roof and the wind
20. The milk teeth are replaced by the permanent teeth during the age between
(A) 5-9 years (B) 6-9 years
(C) 7-10 years (D) 5-10 years

21. The direction of electron flow in an electric circuit is
(A) from positive terminal to negative terminal of the battery
(B) from negative terminal to positive terminal of the battery
(C) the same as that of the conventional direction of current flow
(D) Both A and C
22. In a symbiosis, A and B are the symbionts. Choose the correct statement.
(A) only A is benefitted
(B) only B is benefitted
(C) Either A or B is benefitted
(D) Both A and B are mutually benefitted
23.

Items	% of water by weight
Human body	L
Potato	M
Orange	N
Turnip	O

(A) L=70%, M=85%, N=80%, O=80%
(B) L=75%, M=80%, N=88%, O=85%
(C) L=70%, M=80%, N=85%, O=88%
(D) L=70%, M=65%, N=85%, O=85%
24. The distance between a man and his image formed by a plane mirror is $\left(\frac{a}{2}\right)^2$.
Then, the distance between his image and the mirror is
(A) $\frac{a^2}{2^3}$ (B) $\left(\frac{a}{2}\right)^3$
(C) $\frac{a^2}{2}$ (D) $\left(\frac{a}{2}\right)^{\frac{1}{2}}$
25. Coral root is an example of
(A) Saprophytic plants (B) Parasitic plants
(C) Insectivorous plants (D) Symbiotic plants

26. The production of silk began in China about
(A) 5000 years ago (B) 6000 years ago
(C) 7000 years ago (D) 8000 years ago
27. Temporary hardness of water can be removed by
(A) boiling (B) adding lime
(C) Both A and B (D) calcium chloride
28. Crepuscular animals are active only during
(A) dusk (B) night
(C) dawn (D) both A and C
29. Give the correct number of organs for excretory system of human beings

Organs	Number
Kidney	P
Urethra	Q
Urinary bladder	R
Ureter	S

(A) P=2, Q=2, R=1, S=1
(B) P=2, Q=1, R=1, S=2
(C) P=2, Q=2, R=1, S=2
(D) P=2, Q=1, R=1, S=1
30. Choose the correct statement.
(A) Haemoglobin can bind with oxygen but not with carbon dioxide.
(B) Haemoglobin can bind with carbon dioxide but not with oxygen.
(C) Haemoglobin can bind with oxygen as well as carbon dioxide.
(D) Haemoglobin can't bind with oxygen as well as carbon dioxide.
31. Where is the pulmonary trunk originated from?
(A) Right Ventricle (B) Left ventricle
(C) Right atrium (D) left atrium
32. There are three electrical wires each 3m apart fixed on a wall and only one wire is conducting current. How will you find the wire with electric current?
(A) using a magnetic compass needle
(B) using a magnet
(C) using an electromagnet
(D) all the above

33. If I_D is the distance of the image of an object formed by a concave mirror and I_o is the distance of the object from the concave mirror, then
(A) I_D is always greater than I_o
(B) I_D may be greater than or equal to I_o
(C) I_D may be smaller than or equal to I_o
(D) Both B and C
34. What is the source of dissolved oxygen?
(A) direct absorption of oxygen from the atmosphere
(B) by product of photosynthesis
(C) respiration of aquatic animals
(D) both A and B
35. The square of the ratio of the square of the unit of time period of simple pendulum to the unit of speed is
(A) $\frac{s^2}{m^2}$ (B) $\frac{s^4}{m^2}$
(C) $\frac{s^6}{m^2}$ (D) $\frac{s^4}{m^2 s^2}$
36. Quinine is used in the treatment of
(A) Dysentery (B) Hepatitis
(C) Cholera (D) Malaria
37. Which of the following mirror can form both real and virtual images of an object?
(A) Concave mirror
(B) Convex mirror
(C) Both A and B
(D) none of the above
38. When Benedict's solution taken in a test tube with a urine sample is heated to boil, the colour of the solution changes to yellow. This change in colour of the solution confirms the presence of
(A) protein in the urine
(B) glucose in the urine
(C) fat in the urine
(D) vitamin in the urine

26thMVII
(SCIENCE)

Time Allowed 1 hour

Maximum Marks : 100

**Read the following instructions carefully before
you begin to answer the questions.**

1. This booklet contains 50 questions in all.
2. All questions are compulsory and each question carries 2 marks.
3. Before you start to answer the questions you must check up this booklet and ensure that it contains all the pages 5 (Five) and see that no page is missing or repeated. If you find any defect in this Booklet, you must replace it immediately.
4. There will **NOT** be any negative marking for wrong answers.
5. You are required to fill the information on the answer sheet which you will get in the examination hall by **H.B. pencil or BALL point pen**.
6. **Answer Sheet** and **Question Paper** will be supplied in examination hall. After the test is over, you should hand over the answer sheet to the invigilator before leaving the room.
7. You should write your **Name, Roll No.**, carefully on the space provided in the answer sheet. Otherwise you will be awarded **ZERO** mark.
8. If you wish to change your answer, **ERASE** completely the darkened circle by using an **ERASER** and then blacken the new circle. If not erased completely, smudges will be left on the erased circle and the question will be read as having two answer and will be ignored for giving any credit.
9. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
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