

30. Plants produce carbohydrates
A) during daytime B) during night time
C) Both A and B D) in a particular day
31. How many metals are associated with ALNICO?
A) 2 B) 3
C) 4 D) 6
32. Which joint allows the movement of the head in different directions?
A) pivot joint B) hinge joint
C) ball and socket joint D) gliding joint
33. Which animal has longer average life span?
A) Dog B) Elephant
C) Man D) Tortoise
34. Match the following:

<u>Separation method</u>	<u>Mixtures</u>
a) Hand picking	1) Wheat flour and wheat brand
b) Sieving	2) Chaff and paddy grain
c) Winnowing	3) Mud and water
d) Sedimentation	4) Small pebbles and pulses

A) a b c d B) a b c d
4 2 1 3 4 1 2 3
C) a b c d D) a b c d
2 1 4 3 1 4 2 3
35. Fermentation is a
A) desirable and physical change
B) chemical and reversible change
C) desirable and reversible change
D) desirable and irreversible change
36. When the food intake from outside is not possible, our body gets energy from
A) the protein stored in our body.
B) the carbohydrate stored in our body.
C) the fat stored in our body.
D) the minerals stored in our body.

37. Which statements are correct?
1) Cyanide is good for our health.
2) Cyanide is found in the seeds of lemon.
3) Cyanide is found in apple.
4) Cyanide is a poisonous substance.
A) 1 and 2 B) 2 and 3
C) 3 and 4 D) 1, 2 and 3
38. Match the following:

Column A	Column B
i) Vitamin A	a) keeping our skin and eyes healthy.
ii) Vitamin C	b) fighting against many diseases.
iii) Vitamin D	c) keeping our bones and teeth strong.

A) i ii iii B) i ii iii
a b c a c b
C) i ii iii D) i ii iii
b a c c b a
39. Urea, copper sulphate, potassium dichromate, wax, potassium permanganate, copper, plastic. How many substances are insoluble in water?
A) 2 B) 3
C) 4 D) 5
40. If sodium chloride is added to water, the density of the water
A) increases
B) decreases
C) remains the same
D) may increase or decrease
41. A solute in a solution can be
a) solid b) liquid c) gas
A) a and b only B) b and c only
C) a only D) a, b and c

- D) (i) oxygen (ii) is energy
(iii) is carbondioxide and (iv) is water.
14. Rose has _____type of leaf and_____ type of venation respectively.
A) simple, reticulate
B) simple, compound
C) compound, reticulate
D) compound, parallel
15. When water vapour goes up in the air it
A) gradually gains energy
B) gradually loses energy
C) does not gain or loss energy
D) gains energy sometimes and loses energy sometimes depending upon the situation.
16. Photosynthesis takes place in
A) herb B) shrub
C) tree D) all the above
17. If a candle is burning in a closed glass jar, which gas in the jar will reduce its percentage composition?
A) Nitrogen B) Carbon dioxide
C) Oxygen D) all the above
18. Which of the following substance has the least average composition of domestic waste?
A) Rubber B) Glass
C) Paper D) Wood
19. Which of the following substance has higher resistance?
A) Tungsten B) Silver
C) Plastic D) Copper
20. The per capita production of solid waste per day in bigger cities like Delhi and Mumbai is
A) 0.3 kg to 0.4 kg B) 0.4 kg to 0.8 kg
C) 0.5 kg to 0.8 kg D) 0.8 kg to 1.2 kg
21. If a person goes up higher from the surface of the earth, he/she will experience
A) increasing temperature
B) decreasing temperature
C) constant temperature
D) Both A and B
22. Pistia, Azolla, Hydrilla, Ceratophyllum, Vallisneria, Eichhornia and Bladderwort. In the given plants, how many plants grow under water?
A) 2 B) 3
C) 4 D) 5
23. Plants manufacture their food from their
A) yellow parts B) green parts
C) grey parts D) all the above
24. Ginning is a term related with
A) cotton B) jute
C) yarn D) knitting
25. A pure substance contains
A) only one element
B) a maximum of three elements
C) a minimum of two elements
D) one or more elements
26. Lateral roots are found in
a) maize b) tomato c) mustard d) paddy
e) sweet potato
A) a and c B) a, c and d
C) b and c D) a, d and e
27. Mucus is produced by
A) earthworm B) snail
C) cockroach D) A and B
28. An electric cell has two terminals. A battery consists of six cells. How many terminals are there in the battery?
A) 2 B) 6
C) 12 D) 3
29. A magnet loses its property if
A) it is kept at a high place.
B) it is kept inside water.
C) it is kept inside a wooden chamber.
D) it is hammered.

1. In a jungle there are 220 carnivores, 410 herbivores and 120 omnivores. How many animals depend their food on animals?
A) 220 B) 340
C) 410 D) 120
2. Nelumbo and cactus are respectively
A) xerophyte and hydrophyte
B) mesophyte and xerophyte
C) hydrophyte and xerophyte
D) xerophyte and epiphyte
3. Which of the following fibre will leave a black crushable bead after burning?
A) Cotton B) Jute
C) Wool D) Acrylic
4. Aluminium is commonly used in making electrical wires because
A) it is cheaper than other conductors.
B) it is the best conductor of electricity.
C) it is a good conductor.
D) it is a good insulator.
5. Which solution is used to detect the presence of starch in a food item?
A) Copper sulphate solution
B) Caustic soda solution
C) Iodine solution D) NaOH solution
6. pound is the unit of
A) Time B) Mass
C) Length D) Temperature
7. i) Wool is also obtained from yak.
ii) Jute is obtained from the inner soft part of the jute plant.
iii) Sisal gives us fibre.
iv) Coir is obtained from the coconut.
v) Nylon is the first man made fibre.
The number of correct statement is
A) 2 B) 3
C) 4 D) 1

8. The ash of burning paper is mostly
A) Sulphur B) Magnesium
C) Calcium D) Carbon
9. a) Every flower has its own smell.
b) Sessile flowers have stalk.
c) The ovary develops into a fruit.
d) The stigma produces pollen grains.
e) Filament is a part of androecium.
The number of wrong statement is
A) 1 B) 2
C) 3 D) 4
10. Two persons A and B are sitting in a bus moving with a speed of 45 km/hr. Then
A) A is at rest with respect to B.
B) B is moving with a speed of 45 km/hr with respect to A.
C) Both A and B are moving with a speed of 45 km/hr with respect to the driver of the bus.
D) Both A and B are at rest with respect to a tree along the roadside.
11. In chemical changes,
A) heat is released
B) heat is absorbed
C) A or B
D) there is no change in heat.
12. An artificial magnet has a maximum of
A) 2 poles B) 4 poles
C) 6 poles D) 8 poles
13. During respiration (i) is released, food materials are broken down into (ii) and (iii) in the presence of (iv).
A) (i) is carbon dioxide (ii) is oxygen (iii) is water and (iv) is energy.
B) (i) is energy (ii) is carbondioxide (iii) is water and (iv) is oxygen.
C) (i) is energy (ii) is oxygen (iii) is water and (iv) is carbondioxide.

42. Vermicompost is a/an
A) technique B) fertilizer
C) organic matter D) composting agent
43. $317\text{mm} + 425\text{cm} + 621\text{m} + 1500\text{dm} + \frac{217}{100}\text{hm} + \frac{6.291}{1000}\text{km} =$
A) 904.961m B) 998.858m
C) 1096.330m D) 820.325m
44. Beta carotene is found in
A) pumpkin B) guava
C) brocolli D) fish
45. Indian pennywort is an example of
A) herb B) shrub
C) tree D) none of the above
46. A patient suffers from a certain dediciency disease. The doctor advises him to eat lemon, orange, papaya and Indian gooseberry regularly. What is the disease the patient is suffering from?
A) Beriberi B) Rickets
C) Anaemia D) Scurvy
47. The distance covered by a bus in three and half hours is 189 km. The speed of the bus is
A) 54 m/s B) 15 m/s
C) 20 m/s D) 25 m/s
48. Match the following:

Column A	Column B
a) Diaphragm	i) Skeleton system
b) Cranium	ii) Digestive system
c) Biceps	iii) Muscular system
d) Pancreas	iv) Respiratory system
A) a b c d iv i iii ii	B) a b c d iv i ii iii

- C) a b c d D) a b c d
i ii iii iv iv ii i iii
49. In India, the National Physical Laboratory is situated in
A) Chennai B) Kolkata
C) Mumbai D) Delhi
50. Which material can transmit light?
a) transparent material
b) translucent material
c) opaque material
A) a only B) a and b only
C) b and c only D) a, b and c

27thMVI
(SCIENCE)

Time Allotted 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 4 (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.
10. You are not allowed to leave the examination hall until you are advised to do so by the invigilator.

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