

# VISWADEEPTHI MATRICULATION HIGHER SECONDARY SCHOOL

## I - TERM SCIENCE

**CLASS: V**

### **I. Choose the correct answer:**

1. \_\_\_\_\_ carries oxygenated blood to the heart.  
a) **Artery**    b) Vein    c) Capillaries    d) blood vessels
2. Petrol and diesel produce \_\_\_\_\_ energy.  
a) **Heat**    b) Light    c) Chemical    d) Potential
3. Cow dung possesses \_\_\_\_\_ energy.  
a) solar    b) kinetic    c) **chemical**    d) heat
4. Light energy helps our skin to get \_\_\_\_\_.  
a) Vitamin A    b) Vitamin B    c) Vitamin C    d) **Vitamin D**
5. The process that converts food into energy is \_\_\_\_\_.  
a) Respiration    b) **Digestion**    c) Circulation    d) Excretion
6. The organs in the respiratory system is \_\_\_\_\_.  
a) Heart    b) Larynx    c) Pharynx    d) **Both b and c**
7. \_\_\_\_\_ is highly compressible.  
a) Water    b) **Air**    c) Stone    d) Ice
8. The fibrous cotton material without seed is called \_\_\_\_\_.  
a) Yarn    b) fabric    c) **lint**    d) cotton balls
9. The sky appears blue due to \_\_\_\_\_ of light.  
a) Refraction    b) reflection    c) **scattering**    d) interference
10. \_\_\_\_\_ is a recyclable waste.  
a) Fruits    b) vegetables    c) **Glass**    d) All the three

### **II. Fill in the blanks:**

**(ANSWER)**

11. The process by which the body removes waste is called \_\_\_\_\_. **(Excretion)**
12. Newspaper is a \_\_\_\_\_ waste. **(Recyclable)**
13. Organic waste can be converted into \_\_\_\_\_. **(Manure)**
14. Old medicines and paints are \_\_\_\_\_ wastes. **(Toxic)**

- |                                                                      |             |
|----------------------------------------------------------------------|-------------|
| 15. Functional unit of kidney is_____.                               | (Nephron)   |
| 16. _____ is the largest part of the brain.                          | (Forebrain) |
| 17. Synthetic fibre is also called_____.                             | (Man-made)  |
| 18. The food we eat contains_____ energy.                            | (Chemical)  |
| 19. _____ method is used to remove the impurities from cotton fibre. | (Combing)   |
| 20.The minute packets of energy in light is called_____.             | (Photon)    |

### III. Write True or False:

(ANSWER )

- |                                             |       |
|---------------------------------------------|-------|
| 21. The brain is protected by the rib cage. | False |
| 22. Coir is the outer covering of coconut.  | True  |
| 23. Tyre cords are made of rayon.           | True  |
| 24. The sky appears blue at sunset.         | False |
| 25. Leaves and flowers are biodegradable.   | True  |

### IV. Pick out the odd one:

(ANSWER)

- |                                          |         |
|------------------------------------------|---------|
| 26. Mouth, Esophagus, Stomach, Kidney.   | Kidney  |
| 27. Ragi, Sorghum, Rice, Kambu.          | Rice    |
| 28. Melting, Freezing, Boiling, Cooking. | Cooking |
| 29. Taste , Hear, Think, Smell.          | Think   |
| 30. Plastic, glass, metals, trees.       | Trees   |

### V. Match the following:

(ANSWER)

- |                    |                               |     |
|--------------------|-------------------------------|-----|
| 31. Spinal cord    | - a) Dr. A. P. J. Abdul Kalam | (f) |
| 32. Lungs          | - b) Biodegradable            | (i) |
| 33. Blood          | - c) Liquid                   | (j) |
| 34.Weaving machine | - d) Light particles          | (h) |
| 35. Mercury        | - e) Electricity              | (c) |
| 36. Photon         | - f) Back bones               | (d) |
| 37. Iron box       | - g) Dr.M.S. Swaminathan      | (e) |

- |                      |                         |     |
|----------------------|-------------------------|-----|
| 38. India 2020       | - h) Loom               | (a) |
| 39. Green Revolution | - i) Respiration        | (g) |
| 40. Dry leaves       | - j) Arteries and veins | (b) |

### VII. Give reason:

41. Which part of brain is called 'Vital Knot'. Why?

**Answer:** Hind brain is called 'Vital Knot' because it controls breathing, heart beat and other involuntary muscles.

42. Irreversible changes are permanent changes. Why?

**Answer:** Irreversible changes are permanent because the original substance cannot be converted back into their original forms after the change.

43. Jute is referred as golden fibre. Why?

**Answer:** Jute is referred as golden fibre due to its colour and cost effectiveness.

44. Solids are incompressible. Why?

**Answer:** Solids are incompressible because in solids molecules are very closely arranged.

45. A coin sinks in water. Why?

**Answer:** The weight of the coin is greater than the upthrust, so the coin sinks.

### VIII. Answer in one word:

(ANSWER)

46. Which is the functional unit of kidney?

( Nephron)

47. Which organ pumps blood throughout the body?

( Heart)

48. What is the another name of corn?

( Maize)

49. What is the unit of energy?

( Joule)

50. Which energy of water rotates the turbines?

( Kinetic energy)

### IX. Answer the following:

51. Define. Respiration.

**Answer:** The process of inhaling and exhaling of air is called respiration.

52. Write the functions of ureter and urinary bladder.

**Answer:**

Ureter: Two ureters connect the kidneys with the urinary bladder.

Urinary bladder: It is sac - like in shape and acts as a temporary storage organ of urine

53. When does an object sink or float?

**Answer:** Density determines the sinking and floating of objects.

54. If you put some ice cubes into water in a glass, water becomes cold. Why?

**Answer :** If we put some ice cubes into water in a glass, water becomes cold because heat is transferred from water to ice.

55. What are bio- degradable substances? Give examples.

**Answer:** Bio-degradable substances are materials that can be broken down naturally by micro-organisms such as bacteria and fungi.

Examples: Fruit and vegetable peels, egg shells, leaves and food waste.