

# CLASS -VI - GENERAL SCIENCE

**Q. 1. Multiple choice Questions.**

**(1 × 10 = 10)**

**Choose the most appropriate answer.**

- (i) **This is collected by bees to make honey.**
- (a) Sprouts (b) Petals  
(c) Nectar (d) Seeds
- (ii) **Beri-beri- is caused by the deficiency of :**
- (a) Vitamin A (b) Vitamin B<sub>1</sub>  
(c) Vitamin C (d) Iodine
- (iii) **On addition of iodine, colour of food changes to blue-black. It shows the presence of..... in food .**
- (a) Starch (b) Fats  
(c) Proteins (d) Vitamins
- (iv) **Which of the following is miscible in water?**
- (a) Sugar (b) Sand  
(c) Chalk powder (d) Sawdust
- (v) **Separation of husk and stones from the flour can be done by :**
- (a) Sedimentation (b) Filtration  
(c) Decantation (d) Sieving

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(vi) It has very fine pores in it and we can use it for filtration by folding it in the form of cone.

- (a) Funnel (b) Sieve  
(c) Filter paper (d) Strainer

(vii) This conducts water in plant :

- (a) Leaves (b) Stem  
(c) Flower (d) Buds

(viii) It joins bone to bone :

- (a) Cartilage (b) Ligament  
(c) Tendon (d) Muscle

(ix) Motion of light in a straight line is known as :

- (a) Rectilinear propagation of light  
(b) Curvilinear motion of light  
(c) Circular motion of light  
(d) None of these

(x) Rotation of earth is an example of :

- (a) Periodic motion (b) Curvilinear motion  
(c) Rectilinear motion (d) Rotational motion

**Q. 2. Answer the following in one word :**

- (i) Which of the skull bones are movable? (1)  
(ii) What is the standard unit (S.I. unit) of length? (1)  
(iii) Suggest a name for plant eating animals. (1)  
(iv) Give an example of translucent object. (1)  
(v) Which joint helps in the movement of neck? (1)  
(vi) How many metres are there in 1 Km? (1)  
(vii) Which type of object make shadows? (1)

**Q. 3. Fill in the blanks :**

( $\frac{1}{2} \times 6 = 3$ )

- (i) ..... shape is narrow in front and back and broader in the middle.  
(ii) ..... method can be used for separation of seeds of paddy from its stalk.  
(iii) ..... part of the plant which perform the process of photosynthesis.  
(iv) Objects which emit their own light are called .....  
(v) Invention of ..... made a great change in modes of transport.  
(vi) chemical substances in our food that our body needs are called .....

**Q. 4. State true or false and correct the false statement :**

( $\frac{1}{2} \times 10 = 5$ )

- (i) Main sources of our food are plants and animals. ....

- (ii) Plants with weak stems that cannot stand upright and spread on the ground are called creepers. ....
- (iii) Oil forms a separate layer when mixed with water. ....
- (iv) Chalk powder can be dissolved in water whereas sugar cannot. ....
- (v) Birds have hollow and light bones. ....
- (vi) Deficiency disease of Iodine is goiter. ....
- (vii) Handspan can be used as a correct unit of measurement. ....
- (viii) Image formed by pinhole camera is upside down. ....
- (ix) Shadow can be obtained only on screen. ....
- (x) Leaves hold the plant upright. ....
- Q. 5. Differentiate between miscible and immiscible substances with examples. (2)
- Q. 6. Differentiate between carnivores and Omnivores animals with examples. (2)
- Q. 7. Why do we need food? Give four reasons. (2)
- Q. 8. How can salt be obtained from sea water? (2)
- Q. 9. Write the four main functions of skeleton. (2)
- Q. 10. Metals are lustrous, but an iron rod used in construction does not shine. Explain. (2)
- Q. 11. Write two differences between shadow and image. (2)
- Q. 12. (a) What do you mean by international system of units or S.I. units? (1)
- (b) Why cannot a handsphan be used as a standard unit of length? (1)
- Q. 13. What do you mean by a balanced diet? Write any two factors on which it depends. (1 + 1 = 2)
- Q. 14. How will you separate salt and sand from water? (2)
- Q. 15. Write two differences between tap root and fibrous root. (2)
- Q. 16. The height of a building is 2.72 m. Express it into cm and mm. Show calculations also. (2)
- Q. 17. (a) How will you test the presence of protein in a given food item? (2 + 1 = 3)
- (b) Radha is suffering from rickets. What are the reasons for her disease?
- Q. 18. (a) What is the need of separating different substances from each other? (2 + 1 = 3)
- (b) Write any two properties on the basis of which materials can be classified.
- Q. 19. Write one method for each of the following : (1 + 1 + 1 = 3)
- (i) Separating solids from other solids.
- (ii) Separating insoluble solids from other liquids.
- (iii) Separating soluble solids from other liquids.
- Q. 20. (a) Define the process by which green plants prepare their food. (1 + 1 + 1 = 3)
- (b) In which part of a flower, you are likely to find the ovary.
- (c) Define transpiration.

- Q. 21. (a) The body shape of a fish is streamlined. Give reason. (1 + 1 + 1 = 3)  
(b) How do snakes move?  
(c) How do bones move?
- Q. 22. (a) What do you mean by non-luminous objects? Give its one example. (1 + 2 = 3)  
(b) Write down the construction of pin-hole camera.
- Q. 23. (a) Write an activity related to conduction of water in plants. (2 + 3 = 5)  
(b) Write two modifications each of root stem and leaves.
- Q. 24. (a) Explain the four types of joints. (4 + ½ + ½ = 5)  
(b) (i) Give an example of cartilage in human body.  
(ii) How many bones are there in human beings?
- Q. 25. (a) Differentiate between transparent, translucent and opaque objects, with examples. (3 + 2 = 5)  
(b) Explain an activity with the help of a labelled diagram that light travels in a straight line.
- Q. 26. Draw the diagram of a section of a flower showing sepals, petals, anther, filament, style and stigma. (3)
- Q. 27. (a) Draw an example of periodic motion, circular motion and rotational motion. (3 + 2 = 5)  
(b) Draw the structure of plant showing root system and shoot system.

