

SYLLABUS : FULL SYLLABUS**GENERAL INSTRUCTIONS : Draw Diagrams with Pencils.**

- All questions are compulsory. **Maximum Marks are 80.**
- The question paper consists of 25 Questions.
- **Section – A** : Question $1 \times 9 = 9$.
- **Section – B** : Question $3 \times 12 = 36$.
- **Section – C** : Question $5 \times 7 = 35$.

SECTION A : (1 × 9 = 9)

1. Cutting and gathering of crops after maturation is known as
(a) harvesting (b) threshing (c) broadcasting (d) tilling
2. Pickles are kept in plastic containers because plastic containers are
(a) non-corrosive (b) light (c) colourful (d) cheap
3. The most abundant element in the universe is
(a) Cu (b) Al (c) Fe (d) Zn
4. Burning of hydrogen is an example of
(a) slow combustion (b) rapid combustion (c) explosion (d) spontaneous combustion
5. Which organelle is known as the store house of the cell?
(a) Mitochondria (b) Vacuole (c) Ribosomes (d) Golgi complex
6. When the embryo can be identified with body parts, it is known as
(a) zygote (b) foetus (c) infant (d) egg
7. Once a girl starts menstruating, her body needs more
(a) iron (b) calcium (c) vitamin C (d) vitamin A
8. During dry weather, rubbing a plastic scale with dry hair, attracts small pieces of paper. This is due to
(a) gravitational force (b) electrostatic force (c) frictional force (d) muscular force
9. A device used to test the charge on an object is called
(a) ammeter (b) electroscope (c) seismograph (d) none of these

SECTION B : (3 × 12 = 36)**10. Fill in the blanks with appropriate words:**

- (i) The practice of cultivating land for growing crops is known as _____.
- (ii) _____ are organisms which prepare their own food.
- (iii) _____ are grown during the months of June to October.
- (iv) _____ is done to improve air circulation.
- (v) Chemicals sprayed on the crops to kill pests are known as _____.
- (vi) Large scale storing of grains is done in _____ and _____.

11. (a) Write the causal organism of cholera.
(b) Write any two symptoms of this disease.
(c) Why ORS should be given to the patients suffering from cholera?
12. Taking the examples of magnesium and sulphur explain how metals and non-metals produce oxides with different characteristics.
13. You are given a piece of charcoal. How will you find out whether it forms basic oxide or acidic oxide?
14. Explain the process of formation of petroleum? Name two places in India where it is found.
15. Give two examples each of solid fuel, liquid fuel and gaseous fuel.
16. Fill in the blanks:
 - (a) A place where animals are protected in their natural habitat is called _____.
 - (b) Species found only in a particular area is known as _____.
 - (c) Migratory birds fly to far away places because of _____ changes.
17. Make a sketch of the human nerve cell. What function do nerve cells perform?
18. (a) Name the two contact forces.
(b) Why do we observe sparks coming out from a synthetic shirt when we take it off our body?
(c) Which force pulls the iron nails towards a magnet?
19. Explain electrolysis of water by an activity.
20. (a) What is spectrum? (b) What is the meaning of VIBGYOR?
21. A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.

SECTION C : (5 × 7 = 35)

22. (a) What will happen if field is not ploughed before sowing the seeds? Give any two disadvantages.
(b) How are perishable food items stored on a commercial scale?
(c) Why should excessive supply of water be avoided?
(d) What are weeds?
23. Give reasons for the following:
 - (a) Silver is used in making mirrors.
 - (b) Aluminium is used to make electrical wire.
 - (c) Iron is used in construction of bridges and houses.
 - (d) Graphite is used as an electrode in the dry cell.
 - (e) Iron sheets are galvanised before use.
24. Give reasons.
 - (a) Water is not used to control fires involving electrical equipment.
 - (b) LPG is a better domestic fuel than wood.
 - (c) Paper by itself catches fire easily whereas a piece of paper wrapped around an aluminium pipe does not.
25. Differentiate between plant and animal cell.
26. (a) Define atmospheric pressure.
(b) What is the pressure to the atmospheric pressure on mountains?
(c) What makes a balloon stretch if it is filled with air?
27. What is meant by lubrication? Why do we lubricate the moving parts of our vehicles? Name some lubricants and where they are used.
28. Differentiate between regular and diffused reflection. Does diffused reflection mean the failure of the laws of reflection?