

MAJOR EXAMINATION

SUBJECT- SCIENCE

Maximum Marks : 80

Class –VIth

Time : 3 Hours

GENERAL INSTRUCTIONS

04-02-2019

I. The question paper is divided into three sections :

SECTION A :

Physics

25 MARKS

3 questions of 2 mark each, 3 questions of 3 marks each, 1 questions of 5 marks each 1 Practical/Activity/knowledge based questions of 5 marks.

SECTION B :

Chemistry

25 MARKS

1 question of 2 marks 3 questions of 3 marks each, 2 questions of 5 marks each and 2 Practical/Activity/knowledge based questions of 2 marks each.

SECTION C :

Biology

30 MARKS

2 questions of 2 mark each, 4 questions of 3 marks each, 2 questions of 5 marks each and 2 Practical/Activity/knowledge based questions of 2 marks each.

II. All questions are compulsory.

III. You may attempt any section at a time.

IV. All questions of that particular section must be attempted in the correct order.

V. Use only pencil to draw the diagram.

SECTION –A

1. **Do Any Two question** [2 Marks]
 - (a) Name the poles of magnet.
 - (b) What is melting?
 - (c) How many type of sources of light? Name the each type.
2. Give four examples of luminous objects. [2 Marks]
3. Draw the labelled diagram of reflection by the mirror. [2 Marks]
4. **Define (Any Two).** [3 Marks]
 - (a). Thunder
 - (b). Condensation
 - (c). States of water
5. Explain two methods used to change the size of shadow. [3 Marks]
6. How does boiling differs from evaporation? Give any two reasons. [3 Marks]
7. What are differences among transparent, translucent and opaque medium? Give two-two example of each type. [5 Marks]
8. Draw the diagram of bar magnet and horseshoe magnet showing north and south pole.

OR

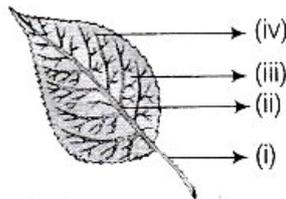
What is rectilinear propagation of light? Explain it with an activity that shows light travels in straight line path [1+4=5 Marks]

SECTION –B

9. (A) Name one process which removes carbon dioxide from air. [2 Marks]
(B) Name one process which put carbon dioxide into air.
10. Draw a diagram representing the layers of atmosphere. [3 Marks]
11. How will you classify materials on the basis of solubility? Define them. Give examples also. [3 Marks]
12. Classify the following changes as reversible and irreversible? [3 Marks]
Raw egg to boiled egg , Digestion of food , Cow dung to biogas , Milk to paneer ,
Yarn to knitted sweater , Melting of wax
13. What are the physical changes occurring in water? Write in detail about every change. Draw diagram also. [5Marks]
14. What is the composition of air? Write in detail about [2+3 = 5 Marks]
(a) Water vapour (b) Oxygen
15. With the help of any activity explain reversible changes. [2 Marks]
16. Show by an activity that air is dissolved in water. Draw diagram also. [2 Marks]

SECTION–C

17. Why do organisms need food? Write two reasons. [2 Marks]
18. Name the parts of the plant which produces its food. Name this process. [2 Marks]
19. Observe figure and attempt the questions that follow it. [3 Marks]



- (a) Label the parts (i), (ii), (iii) and (iv) in the figure.
(b) What type of venation does the leaf has?
(c) What type of venation is seen in grass leaves?
20. Provide one word answers to the statements given below. [3 Marks]
(a) Joint which allows movement in all directions.
(b) hard structure that forms the skeleton.
(c) Part of the body with a fixed joint.
(d) Help in the movement of body by contraction and relaxation.
(e) Bones that join with chest bone at one end and to the backbone at the other ends.
(f) Framework of bones which gives shape to our body

21. How are cactus adapted to survive in a desert? [3 Marks]

OR

Explain the adaptations found in polar region animals

22. (i) Provide a suitable term that expresses the meaning of each of the following statements.

[2 + 1 = 3 Marks]

(a) Greeting cards made from newspaper.

(b) Contents of the waste bins.

(c) Worms converting certain kinds of waste into manure.

(d) An area where a lot of garbage is collected, spread out and covered with soil.

(ii) Oceans are the biggest sources of water, yet they are not fit for human consumption. Why?

23. Name the deficiency diseases caused due to the deficiency of— [5 Marks]

(i) Vitamin A

(ii) Protein

(iii) Iron

(iv) Vitamin C

(v) Vitamin D

(vi) Iodine

(vii) Vitamin B₁₂

(viii) Vitamin B₁

(ix) Vitamin K

(x) Calcium

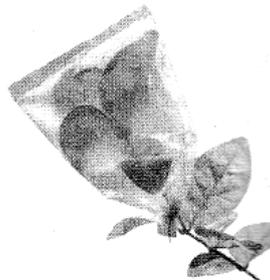
24. Name and describe the three main types of joints found in your body. Give two examples of each type.

[5 Marks]

Or

Describe the parts of a typical flower with the help of a diagram.

25. Observe the figure of an activity given as figure, carried out with leaves of plants and polythene bag. Now answer the following [2 Marks]



(a) Which process is demonstrated in the activity?

(b) When will this activity show better results on a bright sunny day or a cloudy day?

26. Raju make two papers boats. He pushed one of the boats in water with narrow end pointing forward. He pushed other boat from broad or thick side. The boat moved easily in first case but not in second. [2 Marks]

(a) Explain the significance of this shape in movement in water.

(b) Give one example of a living organism which has this shape.