

CODE: A

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No. \_\_\_\_\_

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**ANNUAL EXAMINATION : [2020-2021]**  
**SCIENCE**  
**CLASS VI**

**Time: 3 Hrs.**

**Maximum Marks : 80**

**General Instructions:**

- (i) *This paper contains 30 questions.*
- (ii) *This paper is divided into 3 sections: A, B and C. All the sections are compulsory.*
- (iii) *Section-A contains question from 1-14. Each carries 1 mark except for question no. 13 and 14 which is of 4 marks each. Question no.1-6 is MCQ based.*
- (iv) *Section -B contains question from 15-24. Each question carrying 3 marks.*
- (v) *Section -C contains questions from 25-30. Each question carrying 5 marks.*
- (vi) *In the MCQs, you are to select one most appropriate response out of the four provided to you in each question.*
- (vii) *There is no overall choice. However an internal choice has been provided in question no. 16, 19, 22, 26, 28, and 30. Anyone of the choices in each question has to be attempted.*

**SECTION-A**

1. The standard unit of length in the SI system is \_\_\_\_\_. [1]
  - (a) Cubit
  - (b) Centimetre
  - (c) Metre
  - (d) hand span
2. If a magnet is rolled in a packet of steel pins, the pins will get most attracted to [1]
  - (a) The North Pole.
  - (b) The South Pole.
  - (c) The centre of the magnet.
  - (d) Equally to both pole.

3. The property used in separating a mixture of two solids by winnowing is [1]  
(a) Difference in colour.  
(b) Difference in size.  
(c) Difference in weight.  
(d) Attraction by magnet
4. Rainwater harvesting means [1]  
(a) Harvesting of crops during rains.  
(b) Using rainwater to add to underground water.  
(c) Storing rainwater in tanks.  
(d) Both b and c.
5. Obesity occurs due to [1]  
(a) Overeating of carbohydrates and fats.  
(b) Not eating enough carbohydrates and fats.  
(c) Overeating of vitamins and minerals.  
(d) Not eating enough vitamins and minerals.
6. The hinge joints allow movement in [1]  
(a) All directions.  
(b) One plane only.  
(c) Two planes only.  
(d) Depends on where the joint is located in the body.
7. Will electric current flow in a circuit in which there is a gap between two wires? [1]
8. Name the method which is used to speed up sedimentation. [1]
19. Write the symptoms of rickets. [1]
10. Which part of the flower protects it when it is still a bud? [1]
11. Transpiration helps the plant absorb minerals from the soil. True or false? [1]
12. Which part of the skeletal system is the brain protected by? [1]

**Answer the question numbers 13(i) – 13(iv) on the basis of your understanding of the following paragraph and the related studied concepts.** [4]

13. Electricity to the bulb in a torch is provided by the electric cell. Electric cells are also used in alarm clocks, wristwatches, transistor radios, cameras and many other devices.

- (i) How many terminals does electric cell have?
- (ii) The metal cap is the \_\_\_\_\_ of the electric cell.
- (iii) An electric cell produces electricity from the \_\_\_\_\_ stored inside it.
- (iv) Draw an electric cell.

**Answer the question numbers 14(i) – 14(iv) on the basis of your understanding of the following case study and the related studied concepts.** [4]

14. Bujhoo took a glass half filled with water. He added some ice to that glass of water. After few minutes he observed that there were few droplets of water on the outer surface of glass. He got surprised.

- (i) From where did water drops appear on the outer side of glass?
- (ii) What do you mean by condensation?
- (iii) Write one important role of condensation in nature.
- (iv) What is evaporation?

### **SECTION-B**

**Answer the following:**

15. (i) Name the two kinds of motion that the earth has. [3]  
(ii) Why are standard units used in measurements?

16. List any three uses of magnets. [3]

**OR**

Write three precautions which are used while keeping magnets.

17. Define conductors and insulators. Give example of each. [3]

18. "Water water everywhere ...  
Nor any drop to drink" [3]
- (i) In which poem it was written?
  - (ii) Why the poet has written these lines?
  - (iii) How ocean plays an important role in supplying the water?

19. (i) What do you mean by saturated solution? [3]  
(ii) How can we increase the solubility of a saturated solution?

**OR**

Which of the separation methods is best applicable in the following;

- (i) A mixture of dry sand with saw dust.
  - (ii) Impurities like husk and stones from wheat flour.
  - (iii) A mixture of soil and water.
20. Draw a well labeled diagram of water cycle showing all the processes. [3]

21. (i) Write two functions of stem? [3]  
(ii) Draw a tap root.

22. (i) \_\_\_\_\_ is used to see the shape of the bones. [3]  
(ii) Movement in fish is possible because of \_\_\_\_\_ body shape.  
(iii) Define pivotal joint.

**OR**

- (i) Name two organs protected by the ribcage.
  - (ii) What is fixed joint? Give one example.
23. Write two examples of each. [3]
- (i) shrubs
  - (ii) creepers
  - (iii) climbers

**Answer the question numbers 24(i) – 24(iii) on the basis of your understanding of the following passage and the related value based concepts.** [3]

24. Akram saw some children throwing stones at a dog. The dog would cry from pain when stone hit it. Akram went up to the children and explained that it is wrong to cause pain to anyone in this way.

- (i) What value did Akram show?
- (ii) List one function that your ribcage performs.
- (iii) There are \_\_\_\_\_ ribs on each side of chest.

### **SECTION-C**

**Answer the following:**

25. (i) What do you conclude when two suspended bar magnets 'A' and 'B' will come together? [5]

| <b>Magnet A</b> | <b>Magnet B</b> | <b>Observation</b> |
|-----------------|-----------------|--------------------|
| N- pole         | N- pole         |                    |
| S-pole          | N- pole         |                    |
| N- pole         | S- pole         |                    |
| S- pole         | S- pole         |                    |

(ii) Freely suspended magnet comes to rest in the \_\_\_\_\_ only.

26. (i) Instead of plastics, can the electric wires at home be covered with aluminium foil? Justify your answer. [5]

- (ii) What is the function of the switch in an electric circuit?
- (iii) Does air conduct electricity?

**OR**

- (i) Why is an electric cell needed in an electric circuit?
- (ii) Why should an electrician use rubber gloves while repairing an electric switch at your home. Explain.
- (iii) When does a bulb glow?

27. (i) Write one difference between homogeneous and heterogeneous mixture? Give an example of each mixture. [5]
- (ii)  +  = Solution
- (iii) Milk is an example of \_\_\_\_\_ mixture.

28. (i) Write two differences between flood and drought. [5]
- (ii) What is rainwater harvesting? What are the two ways in which it can be done?

**OR**

- (i) What are the results of flood?( any three)
- (ii) List two ways in which we conserve water?

29. (i) List two special features in birds that help them to fly. [5]
- (ii) List the three main functions of human skeleton.

30. (i) What do you mean by leaf venation?
- (ii) Define different types of leaf venation. [5]
- (iii) Draw the diagram of each type of leaf venation.

**OR**

- (i) Draw and label the four main parts of a flower.
- (ii) Name the different parts of stamen and pistil.

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