

# Atomic Energy Education Society

## Annual Examination - 2018-19

Total No. of pages printed: 5

Class: VI  
Subject: Science

Time : 3 Hours  
Marks : 80

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### To be filled by the student

Student Name: \_\_\_\_\_

Name of the school: \_\_\_\_\_

Class/Sec.: \_\_\_\_\_ Roll No.: \_\_\_\_\_

Date of Examination: \_\_\_\_\_

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### General Instructions:

1. This paper consists of five sections A, B, C, D and E
  2. **Section-A** has 10 multiple choice questions and each carries 1 mark.
  3. **Section-B** has 10 fill in the blanks, each question carries 1 mark.
  4. **Section-C** has 8 questions, each question carries 2 marks.
  5. **Section-D** has 8 questions, each question carries 3 marks.
  6. **Section-E** has 4 questions, each question carries 5 marks.
  7. Use of calculator is not permitted.
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## Section – A

**Choose the correct answer from the options given against each question**      **1 x 10 =10**

01. Trees of mountain regions have
  - a. cone shape
  - b. sloping branches
  - c. Needle like leaves
  - d. All of these
02. In cactus, the part which prepares the food for the plant is:
  - a. Leaf
  - b. Stem
  - c. Root
  - d. Flower
03. Which of the following are needed to cast a shadow:
  - a. A light source
  - b. A screen
  - c. An opaque Object
  - d. All of these
4. The S.I unit of length is-
  - a. kilometre
  - b. metre
  - c. centimetre
  - d. millimetre
5. Which one of the following is a ground water source-
  - a. River
  - b. Sea
  - c. Well
  - d. Oceans
06. Which of the following is a non-magnetic material:
  - a. Nickel
  - b. Wood
  - c. Iron
  - d. Cobalt
07. When ice cold water is poured in a glass, tiny water droplets of water appear on the outside of the glass due to:
  - a. Condensation
  - b. Evaporation
  - c. Sublimation
  - d. Transpiration
08. Which of the following has the major part in air:
  - a. Oxygen
  - b. Carbon dioxide
  - c. Nitrogen
  - d. Water Vapour
09. Which of the following waste you will throw in green bin:
  - a. Plastic toy
  - b. Glass Bottle
  - c. Dry Flowers
  - d. Metal Sheet

10. The thin wire that gives off light when electricity is passed through it in a bulb is:
- a. Filament
  - b. Glass Case
  - c. Element
  - d. Terminals of the bulb

**Section – B**

**Fill in the blanks :-**

**1 x 10 =10**

11. The process by which living organisms give birth to their own kinds is known as \_\_\_\_\_.
12. Dolphins and whales do not have gills. They breathe through \_\_\_\_\_.
13. The metal disc of an electric cell is the \_\_\_\_\_terminal.
14. The materials which are attracted towards a magnet are called \_\_\_\_\_ materials.
15. The tiny droplets of water that remain floating in air appear to us as \_\_\_\_\_.
16. \_\_\_\_\_ gas is essential for burning of fuels.
17. \_\_\_\_\_ is an area where the garbage collected from a city or town is dumped.
18. \_\_\_\_\_ is a simple device that is used to either break the electric circuit or to complete it.
19. A ball is tied to a string and whirled around in a circle shows \_\_\_\_\_ motion.
20. Frogs have \_\_\_\_\_ feet which help them swim in water.

**Section – C**

**Answer the following questions in two or three lines**

**2 x 8 =16**

21. How do the animals that live in soil get affected by heavy rain? 2
22. To measure the length of a notebook , Pooja placed the scale along the length such that one end reads 2.5 cm while the other end reads 25cm. What is the actual length of her notebook? 2
23. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain. 2
24. Define rain water harvesting .What is the basic idea behind it? 2

25. Why cannot a hand span or a footstep be used as a standard unit of measurement?
26. Why are powdered egg shells added to the food for the red worms during vermi-composting?
27. What are the two important properties of a magnet?
28. Why do some aquatic plants have long and thin leaves?

#### **Section – D**

**Answer the following questions in four to five lines**

**3 x 8 = 24**

29. Classify the following objects into transparent, translucent and opaque-  
Air, mirror, glass, pencil, tracing paper, a notebook
30. Draw an electric circuit using a cell, a bulb and two wires and show the direction of the current in the circuit.
31. How are bar magnets stored safely?
32. Do you think it is better to use Compost instead of chemical fertilizers?  
Support your answer with suitable points.
33. List three activities that are possible owing to the presence of air.
34. Define atmosphere. Draw a pie chart to show the composition of air.
35. Burning of garbage heaps of dried leaves is not a good practice.Explain.
36. a) Name the plant which closes or folds its leaves when somebody touches them.  
b) What is the difference between the function of roots in a terrestrial plant and an aquatic plant?

#### **Section – E**

**Answer the following questions in detail.**

**5 x 4 = 20**

37. What are the common characteristics of living things? Explain
38. Seeing the harmful effects of overuse of plastics, the government bans the use of polythene bags. A lady after purchasing the groceries asked for a polythene bag from a shopkeeper. When the shopkeeper refused, she argued with him.

- a) Why did the shopkeeper refuse to give polythene bag? (write any two reasons)
- b) What values are shown by the shopkeeper? (mention any two values)
- c) What can be used in the place of polythene bag?
39. a) What happens if a freely suspended magnet is disturbed and its ends are put towards the east-west direction?
- b) Write any two uses of magnets.
- c) Draw four common shapes of artificial magnets.
40. a) Write one difference between conductors and insulators of electricity.
- b) Classify the following objects as conductors or insulators -  
Metal key, plastic scale, glass bangle, eraser, metal spoon, iron nail,  
rubber gloves, wooden plate