

**ATOMIC ENERGY EDUCATION SOCIETY
SUMMATIVE ASSESSMENT –2 (2016-17)**

CLASS- VIII**TIME – 2 ½ hours****Date: 10.03.2017****Sub: GENERAL SCIENCE****Max. Marks – 90****General Instructions**

- 1) This question paper consists of 5 sections.
- 2) Section A consists of 10 multiple choice questions carrying 1 mark each.
- 3) Section B consists of 11 very short answer type questions carrying 2 marks each.
- 4) Section C consists of 11 short answer type questions carrying 3 marks each.
- 5) Section D consists of 5 long answer type questions carrying 4 marks each.
- 6) Section E consists of 1 value based question carrying 5 marks.
- 7) All questions are compulsory.

SECTION A**Q I Choose the correct option.****(1X10=10)**

1. Large areas of protected land for conservation of wild life, plant and animal resources and traditional life of the tribals living in the area are called

- (a) National Park (b) Botanical Garden (c) Biosphere Reserve (d) Sanctuary

2. Which one of the following solutions will not conduct electricity?

- (a) lemon juice (b) tap water (c) vinegar (d) vegetable oil

3. An electroscope is a device which is used to find if an object is

- (a) charged (b) free of cracks (c) magnetic (d) hot

4. The Red Data Book keeps a record of all the

(i) endemic species. (iii) endangered plants. (ii) extinct species. (iv) endangered animals.

- (a) i & ii (b) ii & iii (c) iii & iv (d) i & iv

5. Reproduction by budding takes place in –

- a) Hydra b) Amoeba (c) Algae (d) Bacteria

6. Morning star is the name given to-

- a) Pole star b) Star Sirius c) Planet Jupiter d) Planet Venus

7. For metamorphosis of tadpoles, which of the following elements must be available in water?

- a) Chlorine b) Carbon c) Sulphur d) Iodine

8. Which of the following metals is used in electroplating to make objects appear shining?

- a) Iron b) Chromium c) Copper d) Aluminum

9. Pressure is

- a) force \times area b) force/area c) mass \times acceleration d) mass \times velocity

10. Friction in decreasing magnitude can be arranged as

- a) rolling, static, sliding b) rolling, sliding, static
c) static, sliding, rolling d) sliding, static, rolling

SECTION – B

Q II (Answer the following 11 questions in 2 or 3 sentences.)

(2 \times 11 = 22)

1. Explain menarche and menopause in connection with menstruation.
2. Suggest **any two** measures to protect ourselves from lightning.
3. Give **any two** important applications of electroplating process.
4. Name **any two** gases which are mainly responsible for acid rain?
5. How can a person maintain good reproductive health?
6. What is reproduction? Why is it essential?
7. What are constellations? Give two examples.
8. Write two factors on which friction depends.
9. Write names of two biosphere reserves and the states in which they are located.
10. Write the S. I. unit of: i) force ii) pressure
11. What is metamorphosis?

SECTION – C

Q III Answer the following 11 questions in 4 or 5 sentences.)

(3 \times 11 = 33)

1. Draw a neat and labeled diagram of female reproductive organs in humans.
2. An electric current is passed through a conducting solution. List **any three** possible observations.
3. List **any three** changes in the body that take place at puberty.
4. What is the aim of Forest Conservation Act? Suggest a method to achieve that aim.
5. Write **any three** effects of force.
6. What are the steps being taken by our government to fight against air pollution? (**any 3**)
- 7 How tall buildings are protected from lightning?
8. List any three modes of transmission of virus causing AIDS.
9. How will you show that a liquid exerts pressure on the walls of the container in which it is kept?

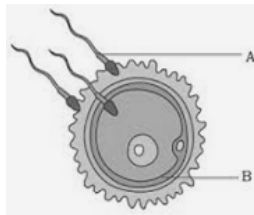
10. What are the causes and consequences of deforestation?
11. What are artificial satellites? Write their two applications.

SECTION – D

Q IV(Answer the following 5 questions in detail.)

(5 × 4 = 20)

1. Observe the figure given and answer the questions that follow.



- (a) Label A and B.
(b) Identify the process.
(c) What happens during this process and what is formed?
2. Observe the figure given and answer the questions that follow.



- (a) Identify the constellations shown above.
(b) Name the constellation that can be used to locate Sirius, the brightest star in the sky.
(c) Name the constellation that can be used to locate the Pole star in the sky.
3. Name the hormone secreted from the following glands and give one function in each.
- a) Thyroid gland
 - b) Adrenal gland
 - c) Pancreas
 - d) Pituitary gland
4. Give reasons for the following:
- (i) Sportsmen use shoes with spikes

(ii) A charged body loses its charge if it is touched with our hand

5. What is biodiversity? Mention its importance.

SECTION – E

Q V. (Value Based Question)

(1X5=5)

Rahul always makes it a point to throw waste paper bits into the recyclable bin and encourages his classmates to do the same but Raj ignores and throws paper into the non-recyclable bin.

- (a) How should wastes be segregated?
- (b) Why should paper be recycled?
- (c) What values do you think are depicted by Rahul?
