

**Model Question Paper**  
**Conservation of Environment (B) - Part II**

10th Standard

**Science**

Reg.No. : 

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I. Answer all the questions.

II. Use Blue pen only.

Time : 00:50:00 Hrs

Total Marks : 30

5 x 1 = 5

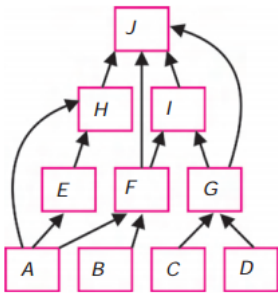
**Section-A**

- 1) Air pollution is caused by transport exhaust fumes and emission of gases like SO<sub>2</sub>, CO<sub>2</sub>, NO<sub>2</sub> from industries. Similarly, water pollution is caused by \_\_\_\_\_ .  
 (a) sewage (b) crop cultivation (c) rain (d) soil erosion
- 2) If wild animals are killed, what difficulty would we face?  
 (a) imbalance in nature (b) decrease in fog rain (c) decrease in population (d) increase in rain
- 3) Water is an essential commodity for survival. What can we do to help increase water resources?  
 (a) deforestation (b) reducing the use of vehicles (c) the burning of the wastage (d) afforestation
- 4) Assertion (A) : Coal and petroleum are called fossil fuels. Reason (R) : Fossil fuels are formed from the remains of dead organisms after millions of years.  
 (a) Both 'A' and 'R' are true and 'R' explains 'A'. (b) Both 'A' and 'R' are true and but 'R' doesn't explain 'A' (c) Only 'A' is true but 'R' is false.  
 (d) 'A' is false but 'R' is true.
- 5) Based on the food chain, pick the odd one out:  
 Plants → grasshopper → frog → tiger → snake  
 (a) Snake (b) tiger (c) frog (d) grasshopper

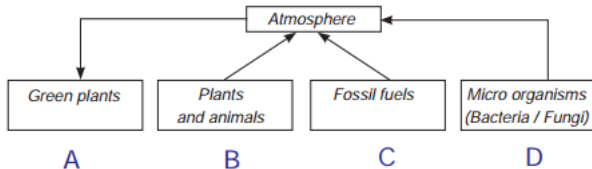
**Section-B**

6 x 2 = 12

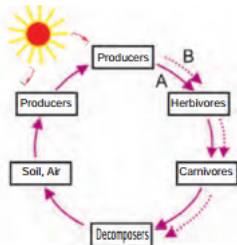
- 6) Observe the following food web:



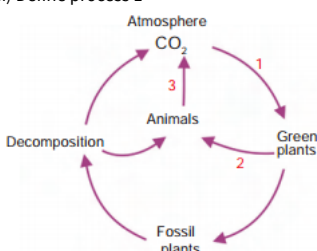
- (i) Find out the wrong statement: a) 'A' is a producer b) 'F' is a herbivore c) 'H' is an omnivore d) 'I' is a climax carnivore (ii) Find out how many food chains are present in the above food web.
- 7) Observe the following Bio-geo chemical cycle



- (i) Mention the nutrient in the given cycle. ii) Write the activities from 'A' to 'D'.
- 8) Study the food chain below, correct it and convert it into a pyramid of energy. Mulberry → Sparrow → Caterpillar → Kite
- 9) Study the illustration and answer the questions



- i) Which line (A or B) represents the flow of energy? Why do you say so? ii) Give an example of a decomposer.
- 10) i) Name the processes noted as No. 1 and 3.  
 ii) Define process 1



- 11) Fill in the blanks i) Animals give out-----through respiration. ii) In the presence of sunlight, plants prepare-----.

**Section-C**

2 x 5 = 10

12) We are surrounded by smoke. Is this situation good for our health. Give reason.

13) List out the harmful effects of burning coal.

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