

KIRAN TUTORIALS

Seat No.

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Std 10 (English)**Science And Technology - II****Date 29-09-20****Time 1HRS****Chapter 4.00****Marks 20**

- Q.1 Multiple Choice Questions** **1**
- 1 Which of the following belongs to the vulnerable species?
a. Red panda b. Lion tailed monkey c. Lion d. Giant squirrel
- Ans** Option c.
- Q.2 Find the odd one out** **1**
- 1 Elephant, Zebra, Wolf, Giraffe
- Ans** **Wolf** is the odd one out as it a carnivore while rests are herbivores.
- Q.3 Find co-related terms** **1**
- 1 Musk deer : Rare species :: Lion tailed monkey:
- Ans** Musk deer : Rare species :: Lion tailed monkey: **Endangered species.**
- Q.4 State True or False** **1**
- 1 Environmental balance is maintained due to various food chains of ecosystem.
- Ans** Environmental balance is maintained due to various food chains of ecosystem. - **True**
- Q.5 Name the following** **1**
- 1 Give Examples : Primary Consumers
- Ans** Deer, Elephant
- Q.6 Laws / Define / Principles** **2**
- 1 Define the following :
i. Endangered species
ii. Vulnerable species
- Ans** i. The organisms which are very likely to become extinct belong to a group called endangered species.
ii. Vulnerable species : Organisms which are under conditions that are threatening for their survival, which in future can be endangered belong to group called vulnerable species.
- Q.7 Write properties/characteristics/uses/advantage/effects.** **2**
- 1 Explain various causes of environmental pollution ?
- Ans** i. Contamination of any material is called as pollution.
ii. Unnecessary and unacceptable change in the surrounding environment due to natural events or human activities is called as environmental pollution.
iii. Contamination of abiotic components leads to environmental pollution.
iv. Air, water and soil are contaminated by various human activities like industrialization, deforestation, population explosion, etc.
- Q.8 Write Short Notes** **2**
- 1 Write short note on the given diagram.

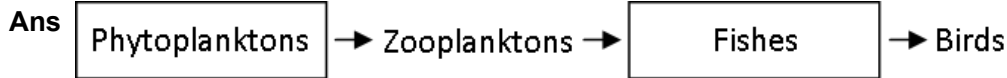
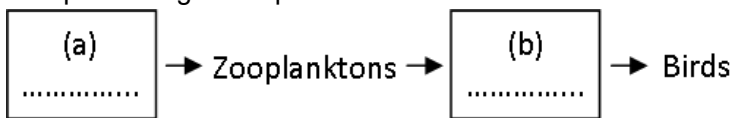


- Ans** i. This sign is used to indicate 'Save water'.
 We must close the taps which are left open and also conserve water.
- ii. This sign indicates 'Solar panel'.
 This is a renewable source of energy and hence we must use it as an alternative to other conventional energy resources.

Q.9 Complete the given flow chart / table

2

1 Complete the given aquatic food chain:



Q.10 Distinguish between

2

1 Food chain and Food web

| | Food chain | Food web |
|-----|--|--|
| i. | The interaction between producers, consumers and decomposers in a definite sequence is called as a food chain. | The interconnection among different food chains in an ecosystem at various levels is called as a food web. |
| ii. | Food chain consists of only one straight chain | Food web consists of many interconnected food chains. |

Q.11 Answer the following in detail

5

1 Reorganize the following food chain. Describe the ecosystem to which it belongs.
 Grasshopper - Snake - Paddy field - Eagle - Frog

Ans Paddy field - Grasshopper - Frog - Snake - Eagle

- i. This food chain belongs to Paddy field ecosystem or grassland ecosystem.
- ii. Paddy fields are frequently attacked by grasshoppers.
- iii. Frogs feed on these grasshoppers thereby reducing the numbers of grasshoppers in the field and preventing the damage of the crops.
- iv. The Frog population is kept in control by the snakes who feed on them.
- v. And the checks on the snakes are kept by the eagles.
- vi. Thus each organism plays a crucial role in the maintaining the balance in the ecosystem.