



**DELHI PUBLIC SCHOOL NEWTOWN**  
**SESSION 2024-25**  
**MONDAY TEST**

**CLASS: IX**  
**SUB: ECONOMIC APPLICATIONS**

**FULL MARKS: 40**  
**DATE: 18-11-2024**

**General Instructions:**

- The paper consists of two printed pages.
- Answer should be to the point.
- Copy the question number carefully before answering the questions.

**SECTION A [10 Marks]**  
**Attempt all Questions**

**Question 1**

**[10]**

Choose the correct answers to the questions from the given options.

(i) Assertion (A): Ecosystem is the system of integrating of all living and non-living factors of the environment.

Reasoning (R): The natural environment consists of animals, bacteria, sunlight, forests, air, water, etc.

- (a) A is true but R is false
- (b) A is false and R is true
- (c) Both A and R are true and R explains A
- (d) Both A and R are true but R does not explain A

(ii) Increased grazing of cattle results in conservation of grasslands.

- (a) True
- (b) False

(iii) Bio-dynamic farming technique makes use of :

- (a) Chemical pesticides
- (b) Organic manures
- (c) Green manure
- (d) Both (b) and (c)

(iv) HYV seeds are ‘non-photo sensitive’. This is because:

- (a) It uses soil for its quick growth
- (b) It does not depend on the period of exposure to sunlight
- (c) It dilutes the chemical contents in the soil
- (d) It enhances the growth of food grains

(v) Study the given picture.

The wastes generated from these are segregated as:

- (a) Biodegradable wastes
- (b) Non-biodegradable wastes
- (c) Hazardous wastes
- (d) Inorganic wastes



(vi) Scientific protection and management of the environment to protect from deterioration is:

- (a) Sedimentation
- (b) Conservation
- (c) Preservation
- (d) Regulation

(vii) ‘Neem’ leaves have biological agents which are used for controlling insects, weeds, etc. in agricultural fields. Hence, it is termed as:

- (a) Bio-manure
- (b) Bio-pesticides
- (c) Fertilisers
- (d) Toxic waste

- (viii) Sustainable environment refers to the process of regenerating renewable resources in a natural process and the assimilative capacity of the environment goes beyond the tolerant level.

(a) True

(b) False

- (ix) What is rainwater harvesting?

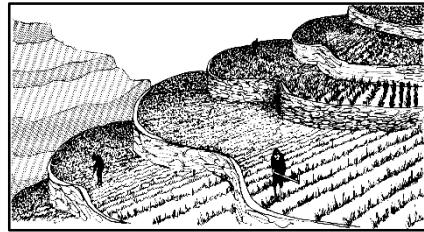
[2]

## SECTION B [30 Marks]

*Attempt all questions from this section*

### Question 2

- (i) Soil is the uppermost layer of the Earth's surface and it is formed through continuous changes in the physical, chemical and biodegradable environment on the earth. Modern cultivation techniques and irrigation processes have been degrading the quality of soil. Various steps are made for soil conservation. One such technique is depicted in this picture.



- Identify and define the practice shown in the picture.
- Explain some more steps required for soil conservation.

[7]

- (ii) The ecosystem is hampered due to several reasons resulting in desertification, spoiling of landscapes, land degradation and pollution.

Explain the above mentioned effects stating how they affect the ecosystem.

[8]

### Question 3

- (i) India's agricultural narrative is one of adaptation and advancement. Ancient customs, grounded in manual labor and crop rotation have sustained our agrarian communities for ages. However, a seismic shift occurred in the 1960s and 1970s with the onset of the green revolution. [Source: [www.outlookbusiness.com](http://www.outlookbusiness.com)]

What is Green Revolution? Discuss the impacts of this practice on the ecosystem.

[7]

- (ii) Dams are constructed to generate electricity. However, it causes several social and ecological damages. Elaborate.

[8]