

**2 0 2 4**

( CBCS )

( 6th Semester )

**GEOGRAPHY**

TWELFTH (B) PAPER

( **Biogeography** )

( Revised )

*Full Marks : 75*

*Time : 3 hours*

*The figures in the margin indicate full marks for the questions*

**( SECTION : A—OBJECTIVE )**

( Marks : 10 )

Tick (✓) the correct answer in the brackets provided : 1×10=10

1. The combined portions of the earth in which all living things exist are called

- (a) biome        (    )
- (b) community    (    )
- (c) ecosystem     (    )
- (d) biosphere     (    )

2. The term 'biosphere' was first used by

(a) Edward Jefferson ( )

(b) Eduard Suess ( )

(c) Hewett Watson ( )

(d) Alfred Wallace ( )

3. Zonal soil is generally found in the

(a) Western Hemisphere ( )

(b) Southern Hemisphere ( )

(c) Northern Hemisphere ( )

(d) Eastern Hemisphere ( )

4. Mineral soil without distinct horizons is known as

(a) inceptisols ( )

(b) alfisols ( )

(c) spodosol ( )

(d) entisols ( )

5. Biome is

- (a) the fauna of terrestrial ecosystem ( )
- (b) the flora of ecosystem ( )
- (c) communities of organisms in an ecosystem interacting with each other ( )
- (d) a part of the earth with its atmosphere inhabited by living organisms ( )

6. The California redwood trees live for over

- (a) 2000 years ( )
- (b) 1000 years ( )
- (c) 3000 years ( )
- (d) 4000 years ( )

7. The producers are also known as

- (a) autotrophs ( )
- (b) omnivores ( )
- (c) decomposers ( )
- (d) carnivores ( )

8. Only \_\_\_\_ per cent of the energy available gets passed onto the next level of consumers.

(a) 11 ( )

(b) 10 ( )

(c) 12 ( )

(d) 13 ( )

9. Who coined the term 'biodiversity'?

(a) Walter V. Brown ( )

(b) Walter G. Rosen ( )

(c) Walter C. John ( )

(d) Walter G. Johann ( )

10. Who introduced the term 'hotspot of biodiversity'?

(a) Norman Myers ( )

(b) Brian Myers ( )

(c) Frederick Myers ( )

(d) Michael Myers ( )

**( SECTION : B—SHORT ANSWERS )**

( Marks : 15 )

Write short notes on the following :

3×5=15

**UNIT—I**

1. Historical biogeography

**OR**

2. Conservation biogeography

[ Contd.

UNIT—II

3. Sandy soil

OR

4. Loamy soil

### UNIT—III

5. Genetic diversity

**OR**

6. Species diversity

UNIT—IV

7. 10 percent energy rule

**OR**

8. Meaning of food web



UNIT—V

9. In-situ conservation

**OR**

10. Ex-situ conservation

( SECTION : C—DESCRIPTIVE )

( Marks : 50 )

Answer the following questions :

UNIT—I

1. What is biogeography? Explain the scope of biogeography.

OR

2. Explain, in detail, the elements of biosphere.

UNIT—II

3. What is soil profile? Discuss the different layers of soil horizon.

OR

4. Why is soil conservation important? Write the method of soil conservation.

UNIT—III

5. What factors are responsible for the distribution of plants?

OR

6. Describe the factors influencing world distribution of animals.

UNIT—IV

7. What do you understand by energy flow? How are energy flow and feeding relationships in ecosystem shown?

OR

8. What is ecological pyramid? Explain, in detail, the types of ecological pyramid.

UNIT—V

9. What is social forestry? Explain the classification of social forestry.

OR

10. Explain, in detail, the main causes of deforestation. Describe the conservation method.

**GEOG/VI/CC/12b R**

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5+5=10

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UNIT—II

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2+8=10

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5+5=10

UNIT—III

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4+6=10

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