

**M.A. (SEM/CR) CBCS Part-II Semester-III Examination: March/April-2023**  
**Geography (Optional) Paper-XI**  
**GEOO23: Biogeography**

**Day and Date: Saturday, 13/05/2023**  
**Time: 10.30 AM To 12.30 PM**

**Total Marks: 60**

Instructions:

1. All Questions are Compulsory.
2. All Questions carry equal marks.
3. Figures to the right indicate full marks
4. Draw the diagram wherever necessary.
5. Allowed to use map stencil, if necessary

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**Q.1. Choose the Correct alternatives from the following.**

15

- 1 Following \_\_\_\_\_ became commonly known as the father of biogeography.  
 1) Alexander Von Humboldt 2) Charles Lyell 3) Charls Darwin 4) Alfred Russel Wallace
- 2 Species Plantarum was authored by \_\_\_\_\_ in 1753.  
 1) Charls Darwin 2) Carlous Linnaeous 3) Alfred Wgner 4) Croizat
- 3 The temperate grasslands of North America (extending in the U.S.A. and Canada both) are locally known as \_\_\_\_\_.  
 1) Pampas 2) Savanna 3) Prairies 4) Steppes
- 4 The term "\_\_\_\_\_ taxonomy" is primarily used today to refer to the discipline of finding, describing, and naming taxa, particularly species.  
 1) Alpha 2) Beta 3) Gamma 4) Delta
- 5 The term \_\_\_\_\_ was first used by the Indian Government during the 1970's to describe forestry in village.  
 1) Recreation forestry 2) Agro forestry 3) Farm forestry 4) Social forestry
- 6 Algae, fungi, lichens are best example of \_\_\_\_\_ plants.  
 1) Phanerogams 2) Pteridophyta 3) Bryophyta 4) Thallophyta
- 7 \_\_\_\_\_ include those plants whose life lasts for only one season of the year.  
 1) Cryptophytes 2) Therophytes 3) Phanerophyteo 4) Chamaephyte
- 8 Some of the vertebrates like fishes, amphibians and reptiles are called \_\_\_\_\_ animal.  
 1) cold blooded 2) warm-blooded 3) red-blooded 4) bloodless
- 9 The animals of this class have three pairs of walking legs attached to the thorax includes in the \_\_\_\_\_ class.  
 1) Crustacea 2) Non-crustacea 3) Insecta 4) Archinda
- 10 The trees and shrubs greater than 25 cm in height that have their leaf-producing buds elevated above ground on stems are called as \_\_\_\_\_ in Raunkiaer's classification.  
 1) Phanerophytes 2) Therophytes 3) Geophytes 4) Chamaephytes
- 11 The dispersal of plant seeds with the help of water is known as \_\_\_\_\_.  
 1) Anemochore 2) Zoochore 3) Migration 4) Hydrochore

- 12 The \_\_\_\_\_ speciation is occurs when two populations are geographically isolated from one another.
- 1) Allopatric 2) Sympatric 3) Peripatric 4) Parapatric
- 13 Interaction between species in which both species necessarily required each other for their existence and survival is known as \_\_\_\_\_.
- 1) Competition 2) Mutualism 3) Predation 4) Mimicry
- 14 Which type of speciation is the process of sudden evolution of new species?
- 1) Gradual 2) Abrupt 3) Stasipatric 4) Sympatric
- 15 In biogeography, a biological interaction of \_\_\_\_\_ can be defined as an interaction between organisms or species, in which the fitness of one is lowered by the presence of another.
- 1) competition 2) mutualism 3) parasitism 4) mimicry

**Q.2. Write short Notes (Three out of Four) .**

15

- 1 Biodiversity in India
- 2 Nature of biogeography
- 3 Cryptogams / Non flowering plants
- 4 Colonisation process in Biogeography.

**Q.3. Write short Answers (Three out of Four) .**

15

- 1 What is Niche?
- 2 Write in brief characteristics of Vertebrata animals.
- 3 Give the factors causing Extinction of animals.
- 4 Explain in brief the economic and ecological impacts of invasion.

**Q.4.. Answer the following question on broad. (One out of two).**

15

- 1 Discuss in detail Taxonomical classification of plants.
- 2 Write an account of the process of plants and animal dispersal.

## Model Answer Paper

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1 Following \_\_\_\_\_ became commonly known as the father of biogeography.

1) Alexander Von Humboldt 2) Charles Lyell 3) Charls Darwin 4) Alfred Russel Wallace

Option 4

2 Species Plantarum was authored by \_\_\_\_\_ in 1753.

1) Charls Darwin 2) Carlous Linnaeous 3) Alfred Wgner 4) Croizat

Option 2

3 The temperate grasslands of North America (extending in the U.S.A. and Canada both) are locally known as \_\_\_\_\_.

1) Pampas 2) Savanna 3) Prairies 4) Steppes

Option 3

4 The term "\_\_\_\_\_ taxonomy" is primarily used today to refer to the discipline of finding, describing, and naming taxa, particularly species.

- 1) Alpha 2) Beta 3) Gamma 4) Delta

Option 1

5 The term \_\_\_\_\_ was first used by the Indian Government during the 1970's to describe forestry in village.

- 1) Recreation forestry 2) Agro forestry 3) Farm forestry 4) Social forestry

Option 4

6 Algae, fungi, lichens are best example of \_\_\_\_\_ plants.

- 1) Phanerogams 2) Pteridophyta 3) Bryophyta 4) Thallophyta

Option 4

7 \_\_\_\_\_ include those plants whose life lasts for only one season of the year.

- 1) Cryptophytes 2) Therophytes 3) Phanerophyteo 4) Chamaephyte

Option 2

8 Some of the vertebrates like fishes, amphibians and reptiles are called \_\_\_\_\_ animal.

- 1) cold blooded 2) warm-blooded 3) red-blooded 4) bloodless

Option 1

9 The animals of this class have three pairs of walking legs attached to the thorax includes in the \_\_\_\_\_ class.

- 1) Crustacea 2) Non-crustacea 3) Insecta 4) Archinda

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10 The trees and shrubs greater than 25 cm in height that have their leaf-producing buds elevated above ground on stems are called as \_\_\_\_\_ in Raunkiaer's classification.

- 1) Phanerophytes 2) Therophytes 3) Geophytes 4) Chamaephytes

Option 4

11 The dispersal of plant seeds with the help of water is known as \_\_\_\_\_.

- 1) Anemochore 2) Zoochore 3) Migration 4) Hydrochore

Option 4

12 The \_\_\_\_\_ speciation is occurs when two populations are geographically isolated from one another.

- 1) Allopatric 2) Sympatric 3) Peripatric 4) Parapatric

Option 1

13 Interaction between species in which both species necessarily required each other for their existence and survival is known as \_\_\_\_\_.

- 1) Competition 2) Mutualism 3) Predation 4) Mimicry

Option 2

14 Which type of speciation is the process of sudden evolution of new species?

- 1) Gradual 2) Abrupt 3) Stasipatric 4) Sympatric

Option 2

15 In biogeography, a biological interaction of \_\_\_\_\_ can be defined as an interaction between organisms or species, in which the fitness of one is lowered by the presence of another.

- 1) competition 2) mutualism 3) parasitism 4) mimicry

Option 1

**Q.2. Write short Notes (Three out of Four) .**

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1 Biodiversity in India

Ans:

2 Nature of biography

Ans:

3 Cryptogams / Non flowering plants

Ans:

4 Colonisation process in Biogeography.

Ans:

**Q.3. Write short Answers (Three out of Four) .**

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1 What is Niche?

Ans:

2 Write in brief characteristics of Vertebrata animals.

Ans:

3 Give the factors causing Extinction of animals.

Ans:

4 Explain in brief the economic and ecological impacts of invasion.

Ans:

**Q.4.. Answer the following question on broad. (One out of two).**

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1 Discuss in detail Taxonomical classification of plants.

Ans:

2 Write an account of the process of plants and animal dispersal.

Ans:

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