

Seat No.

**M.A. (SEM/CR) CBCS Part-II Semester-III Examination: October/November-2022**  
**Geography (Optional) Paper-XI**  
**GEOO23: Biogeography**

**Day and Date: Monday, 19/12/2022**  
**Time: 3.30 PM To 5.30 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

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

15

- 1 \_\_\_\_\_ is a study of the origin, distribution, adaptation and association of plants and animals.  
1) Plant geography 2) Physical geography 3) Biogeography 4) Animal geography
- 2 Following \_\_\_\_\_ became commonly known as the father of biogeography.  
1) Alexander Von Humboldt 2) Charles Lyell 3) Charls Darwin 4) Alfred Russel Wallace
- 3 The water–energy dynamics hypothesis for the latitudinal diversity gradient was put forth by \_\_\_\_\_.  
1) Carolus Linnaeus 2) Edward O. Wilson 3) Alfred Russel Wallace 4) Alexander Von Humboldt
- 4 Species Plantarum was authored by \_\_\_\_\_ in 1753.  
1) Charls Darwin 2) Carlous Linnaeous 3) Alfred Wgner 4) Croizat
- 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 Which animal mother keeps the young ones in the pouch ehere they get protection as well as they are fed with milk because this pouch contains mammary glands havings teats?  
1) Kangaroo 2) Beers 3) Whale 4) Seal
- 9 In \_\_\_\_\_ mammary glands are used to produce milk to nourish their young.  
1) marsupial 2) aves 3) mammals 4) reptile

- 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 Biogeography studies the origin, distribution, \_\_\_\_\_ and association of plants and animals.  
1) adaptation 2) acceptance 3) speciation 4) adjustment
- 12 The \_\_\_\_\_ refers to both the movement of individuals from their birth site to their breeding site as well as the movement from one breeding site to another.  
1) Dispersal 2) Adaption 3) Speciation 4) Extinction
- 13 Biogeographic process of \_\_\_\_\_ is the mechanism by which a new species is formed.  
1) Speciation 2) Colonization 3) Extinction 4) Adaptation
- 14 The \_\_\_\_\_ is the process in biology by which a species spreads into new areas, regions and continents.  
1) speciation 2) extinction 3) succession 4) colonization
- 15 Which type of speciation is the process of sudden evolution of new species?  
1) Gradual 2) Abrupt 3) Stasipatric 4) Sympatric

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

15

- 1 History of Biogeography
- 2 Biodiversity in India
- 3 Geographical Classification of plants
- 4 Carriers of Dispersal.

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

15

- 1 Give an element of Biogeography
- 2 What are the examples of floating hydrophytes plant?
- 3 Explain in brief the economic and ecological impacts of invasion.
- 4 What is Adoption?

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

15

- 1 Explain in details about the Biodiversity hotspots in India.
  - 2 Write an account of the process of plants and animal dispersal.
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## **Model Answer Paper**

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1 \_\_\_\_\_ is a study of the origin, distribution, adaptation and association of plants and animals.

- 1) Plant geography 2) Physical geography 3) Biogeography 4) Animal geography

Option 3

2 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

3 The water–energy dynamics hypothesis for the latitudinal diversity gradient was put forth by \_\_\_\_\_.

- 1) Carolus Linnaeus 2) Edward O. Wilson 3) Alfred Russel Wallace 4) Alexander Von Humboldt

Option 4

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

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

Option 2

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 Which animal mother keeps the young ones in the pouch ehere they get protection as well as they are fed with milk because this pouch contains mammary glands havings teats?

- 1) Kangaroo 2) Beers 3) Whale 4) Seal

Option 1

9 In \_\_\_\_\_ mammary glands are used to produce milk to nourish their young.

- 1) marsupial 2) aves 3) mammals 4) reptile

Option 3

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 Biogeography studies the origin, distribution, \_\_\_\_\_ and association of plants and animals.

- 1) adaptation 2) acceptance 3) speciation 4) adjustment

Option 1

12 The \_\_\_\_\_ refers to both the movement of individuals from their birth site to their breeding site as well as the movement from one breeding site to another.

1) Dispersal 2) Adaption 3) Speciation 4) Extinction

Option 1

13 Biogeographic process of \_\_\_\_\_ is the mechanism by which a new species is formed.

1) Speciation 2) Colonization 3) Extinction 4) Adaptation

Option 1

14 The \_\_\_\_\_ is the process in biology by which a species spreads into new areas, regions and continents.

1) speciation 2) extinction 3) succession 4) colonization

Option 4

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

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

Option 2

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

15

1 History of Biogeography

Ans:

2 Biodiversity in India

Ans:

3 Geographical Classification of plants

Ans:

4 Carriers of Dispersal.

Ans:

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

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1 Give an element of Biogeography

Ans:

2 What are the examples of floating hydrophytes plant?

Ans:

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

Ans:

4 What is Adoption?

Ans:

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

15

1 Explain in details about the Biodiversity hotspots in India.

Ans:

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

Ans:

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