

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

Day and Date: Tuesday, 12/12/2023
Time: 11.00 AM To 1.00 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 In which branch of geography the study of all biotic things involved on the earth surface?
 1) Human Geography 2) Biogeography 3) Environmental Geography 4) Natural Geography
- 2 _____ 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
- 3 Biogeography is an interdisciplinary subject forming a bridge over biological sciences and _____.
 1) Natural science 2) Life science 3) Earth science 4) Chemical science
- 4 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
- 5 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
- 6 _____ include those plants whose life lasts for only one season of the year.
 1) Cryptophytes 2) Therophytes 3) Phanerophyteo 4) Chamaephyte
- 7 The most important representative plants of Antarctic kingdom is _____.
 1) Mosses 2) Grass 3) Mangroves 4) Conifer
- 8 _____ includes such animals which live in both both habitats, aquatic habitats and land habitats but lay their eggs only in water.
 1) Pisces 2) Amphibian 3) Reptelia 4) Mammalia
- 9 Some of the vertebrates like fishes, amphibians and reptiles are called _____ animal.
 1) cold blooded 2) warm-blooded 3) red-blooded 4) bloodless
- 10 Which animals are the first multicellular animals on the ladder of evolution?
 1) Phylum Nemathehelminthis 2) Phylum platyhelmenthis 3) Phylum coelentrata 4) Phylum Porifera
- 11 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

- 12 The dispersal of plant seeds with the help of animal is known as _____.
- 1) Anemochore 2) hydrochore 3) zoochore 4) self dispersal
- 13 Biogeographic process of _____ is the mechanism by which a new species is formed.
- 1) Speciation 2) Colonization 3) Extinction 4) Adaptation
- 14 The _____ speciation is occurs when two populations are geographically isolated from one another.
- 1) Allopatric 2) Sympatric 3) Peripatric 4) Parapatric
- 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 Phylum Arthropoda
- 4 Carriers of Dispersal.

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

15

- 1 What is Niche?
- 2 What are the different group of Class mammalian?
- 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 Discuss in detail Taxonomical classification of plants.

Model Answer Paper

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1 In which branch of geography the study of all biotic things involved on the earth surface?

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Option 2

2 _____ 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

3 Biogeography is an interdisciplinary subject forming a bridge over biological sciences and _____.

1) Natural science 2) Life science 3) Earth science 4) Chemical science

Option 3

4 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

5 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

6 _____ include those plants whose life lasts for only one season of the year.

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

Option 2

7 The most important representative plants of Antarctic kingdom is _____.

- 1) Mosses 2) Grass 3) Mangroves 4) Conifer

Option 1

8 _____ includes such animals which live in both both habitats, aquatic habitats and land habitats but lay their eggs only in water.

- 1) Pisces 2) Amphibian 3) Reptelia 4) Mammalia

Option 2

9 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

10 Which animals are the first multicellular animals on the ladder of evolution?

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Option 4

11 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.

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Option 1

12 The dispersal of plant seeds with the help of animal is known as _____.

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Option 3

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

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Option 1

14 The _____ speciation is occurs when two populations are geographically isolated from one another.

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

Option 1

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 Phylum Arthropoda

Ans:

4 Carriers of Dispersal.

Ans:

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

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1 What is Niche?

Ans:

2 What are the different group of Class mammalian?

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).

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1 Explain in details about the Biodiversity hotspots in India.

Ans:

2 Discuss in detail Taxonomical classification of plants.

Ans:
