

GURUDAS COLLEGE

B. Sc. SEMESTER IV (Honours) Examination, 2021

Online Internal Assessment, 2021

Subject: BOTA

Subject Category: Honours

CORE COURSE- 8

Course: BOT-A-CC-4-8-TH

Course Name: PLANT GEOGRAPHY, ECOLOGY AND EVOLUTION

Date of Examination: 19.07.21 Time: 1:30PM

All questions carry equal marks

Time: 30 minutes

FM:10

Answer the following (Any 5) :

2X5=10

1. Speciation due to geographical barrier is known as
 - a) Sympatric
 - b) Allopatric
 - c) Parapatric
 - d) siblings

2. Ecophene is also known as
 - a) Ecads
 - b) Ecotone
 - c) Ecospecies
 - d) Edge effect

3. Evolution occurring gradually and slowly over a long period of time is called
 - a) Homeostasis

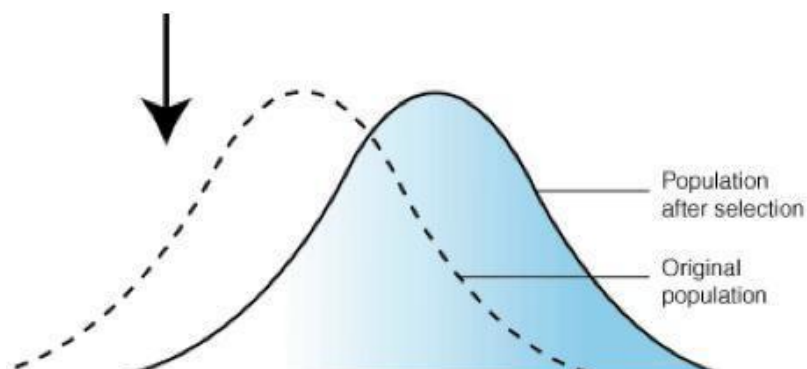
- b) Adaptive radiation
 - c) Gradualism
 - d) Punctuated equilibrium
4. D. Chatterjee in 1960 divided India into the following phytogeographic regions

- a) 10
- b) 8
- c) 11
- d) 12

5. Which of the following is not a stage of invasion?

- a) Migration
- b) Ecesis
- c) Aggregation
- d) Nudation

6. Which type of selection does the following graph depict?



- a) Stabilising selection
 - b) Directional selection
 - c) Diversifying selection
 - d) Sexual selection
7. Which of the following is a mangrove fern?

- a) *Amoora cucullata*
- b) *Excoecaria agallocha*
- c) *Acampe dentate*
- d) *Acrostichum aureum*

8. Biodiversity hotspots occupy approximately
- a) 5% of the total Earth's land surface
 - b) 2.3% of the total Earth's land surface
 - c) 0.3% of the total Earth's land surface
 - d) 9.7% of the total Earth's land surface

Instructions for submission of answer scripts

1. Write the front page/top sheet as per instruction.
2. Scan the pages in sequence and make a single PDF file.
3. Rename file as per instruction.
4. Email the PDF file within the stipulated time to the following

Email IDs:

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