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**SUBJECT CODE NO: -Y-2042**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. T.Y (Sem-V)**  
**Examination March / April - 2023**  
**Elective Paper Botany Paper- XVI / Diversity of Angiosperms - I**

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all the questions
- 2) Draw well labelled and neat diagram whenever necessary.

Q1 What is biodiversity? Write in details types of biodiversity. 20

**OR**

Explain in detail cropland and agricultural diversity.

Q2 Describe in detail family Brassica cease into floral formula and floral diagram. 20

**OR**

White short notes on (any four)

- a) Paleoendemism
- b) Ex situ
- c) Salient feature of Bentham and hooker system.
- d) Economic importance of Apiaceae
- e) Linnaeus system
- f) Key characters of Nymphaeaceae

Q3 Multiple choice question 10

- 1) Sanjay Gandhi National park is located in
  - a) West Bengal
  - b) Maharashtra
  - c) Gujarat
  - d) Bihar
- 2) Kaas Pathar is the flower plateru is located in
  - a) Kutch
  - b) Eastern ghats
  - c) Western ghats
  - d) Eastern Himalayas.
- 3) The term hot spot is coined by
  - a) Robert Hook
  - b) Hutchinson
  - c) Bentham
  - d) Muller
- 4) Different example of rice verities is the example of \_\_\_\_\_type of biodiversity.
  - a) Species diversity
  - b) Ecological diversity
  - c) Genetic diversity
  - d) cropland diversity

- 5) \_\_\_\_\_ genes belongs to family Magnoliales  
a) Closure    b) affairs    c) Michelin    d) Nelumbo
- 6) Common character of inflorescence in alpacas is  
a) Ramose    b) solitary    c) umbel    d) none of these
- 7) Papaveraceae family is also known as  
a) Gourd family    b) cucumber family    c) roppy family    d) none of these
- 8) Pepo fruit is commonly seen in  
a) Magnoliaceae    b) combretaceae  
c) Nymphaeaceae    d) cucurbitaceae
- 9) Terminalia arjuna belongs to family  
a) Papaveraceae    b) Rhamnaceae  
c) lythraceae    d) combretaceae
- 10) Cremocarp fruit is characteristic feature of \_\_\_\_\_ family  
a) Apiaceae    b) Rutaceae    c) capparidaceae    d) none of these