

[4]

SECTION 'C'  $4 \times 10 = 40$

Long Answer questions (Word limit 400-450 words.)

UNIT-I

Q. 1. Discuss the international code of Botanical nomenclature.

OR

Write detail account on population and environment.

UNIT-II

Q. 2. Describe the contribution of Palynology in taxonomy by giving at least two examples.

OR

Describe GIS (Geographical Information System)

UNIT-III

Q. 3. Describe the fossil angiosperm.

OR

Describe Bentham and Hooker system of classification.

UNIT-IV

Q. 4. Describe the family Asclepiadaceae.

OR

Describe the family cyperaceae or Gramineae.

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[1]

ROLL NO.....

**BOT. 201/22**

**II SEMESTER EXAMINATION, 2022**

**M.Sc. (BOTANY)**

**PAPER-I**

**TAXONOMY & DIVERSITY OF ANGIOSPERMS**

**TIME: 3 HOURS**

**MAX.- 80**

**MIN.- 16**

**Note:** The question paper consists of three sections A, B & C. All questions are compulsory.

**Section A- Attempt all multiple choice questions.**

**Section B- Attempt one question from each unit.**

**Section C- Attempt one question from each unit.**

SECTION 'A'  $2 \times 8 = 16$

**MCQ (Multiple Choice Questions)**

1. The Birbal Sahni Research institute of Paleobotany is Located in -

(a) Lucknow

(b) Dehradun

(c) Delhi

(d) Orrisa

2. Tetradynamous condition is found in -

(a) Rutaceae

(b) Cruciferae

(c) Lilaceae

(d) Leguminaceae

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3. Family is placed between -

- (a) order & genus                      (b) genus & family  
(c) order & class                      (d) species & genus

4. Basic unit of classification is -

- (a) genus                      (b) class  
(c) species                      (d) order

5. Inflorescence in family Capporidaceae

- (a) Racemose                      (b) Head  
(c) Compound                      (d) Cymose

6. Fruit of family compositeae -

- (a) Cypsela                      (b) Blue Berry  
(c) Mango                      (d) Banana

7. Which one of the following is not covered under Taxonomy -

- (a) Alpha taxonomy                      (b) Beta taxonomy  
(c) Delta taxonomy                      (d) Gamma taxonomy

8. Who is considered as the father of taxonomy -

- (a) Aristotle                      (b) Lonnaeus  
(c) Earnst Haeckel                      (d) Whittaker

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**SECTION 'B'**

4 × 6 = 24

**Short Answer Type Questions (Word limit 200-250 words.)**

**UNIT-I**

**Q. 1.** Write note on Ecads, Ecotype and Rank of taxa.

**OR**

Describe about taxonomic hierarchy.

**UNIT-II**

**Q. 2.** Write note on Herbarium and Flora.

**OR**

Write note on Taxonomic Literature.

**UNIT-III**

**Q. 3.** Merits & demerits of Takhatjan system of classification.

**OR**

Cronquist's contribution is taxonomy / classification.

**UNIT-IV**

**Q. 4.** Write note on characteristics feature of family meliaceae or Mytraceae. .

**OR**

Write economic importance of family magnoliaceae.