

This question paper contains 3 printed pages]

Y—90—2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) (Backlog) EXAMINATION

OCTOBER/NOVEMBER, 2019

BOTANY

Paper VI

(Morphology and Taxonomy of Angiosperms)

(MCQ & Theory)

(Monday, 18-11-2019)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) All questions carry equal marks.

(iii) Choose appropriate answer from MCQ.

(iv) Draw neat and well labelled diagrams, wherever necessary.

MCQ

1. Answer the following questions : 10

(i) The plant organ which is positively geotropic and descending is.....

(a) Stem

(b) Leaf

(c) Root

(d) Flower

(ii) In Epigynous flower ovary is

(a) Inferior

(b) Superior

(c) Semi-inferior

(d) Semi-superior

(iii) Carpel is made up of.....

(a) Ovary

(b) Style

(c) Stigma

(d) All of these

P.T.O.

- (iv) Father of Taxonomy.....
- | | |
|---------------------|-------------------|
| (a) Charles Darwin | (b) Gregor Mendel |
| (c) Carlos Linnaeus | (d) J.C. Bose |
- (v) Artificial system of classification is proposed by.....
- | | |
|----------------------|----------------|
| (a) Bentham & Hooker | (b) Linnaeus |
| (c) Engler & Prandtl | (d) Hutchinson |
- (vi) Brassicaceae was previously known as.....
- | | |
|-------------------|------------------|
| (a) Annonaceae | (b) Cruciferae |
| (c) Papilionaceae | (d) Umbelliferae |
- (vii) The type of fruit in Annona.....
- | | |
|-----------------|---------------------|
| (a) Hesperidium | (b) Legume |
| (c) Drupe | (d) Etario of Berry |
- (viii) Cotton belongs to family.....
- | | |
|----------------|--------------------|
| (a) Malvaceae | (b) Meliaceae |
| (c) Annonaceae | (d) Caesalpinaceae |
- (ix) The type of inflorescence in Asteraceae :
- | | |
|-----------------------|--------------------|
| (a) Cyathium | (b) Verticillaster |
| (c) Head or Capitulum | (d) Hypanthodium |
- (x) Datura belongs to.....
- | | |
|----------------|----------------|
| (a) Asteraceae | (b) Solanaceae |
| (c) Poaceae | (d) Liliaceae |

Theory

2. Describe salient features of Bentham and Hooker's system of classification. Add a note on its merits and demerits.

10

Or

Write short notes on :

- (a) Types of roots
- (b) Artificial system of classification.

3. Describe the general characters of the family Annonaceae. Give its floral formula and floral diagram. 10

Or

Explain in brief :

- (a) Types of placentation
- (b) Economic importance of Fabacenc.

4. Describe the general characters of the family Solanaceae. Give its floral formula and floral diagram. 10

Or

Write in brief :

- (a) Pinnately compound leaf
- (b) Economic importance of Poaceae.