

This question paper contains 3 printed pages]

W—76—2018

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2018

(CBCS/CGPA Pattern)

BOTANY

Paper VI

(Morphology and Taxonomy of Angiosperms)

(MCQ & Theory)

(Wednesday, 17-10-2018)

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 diagram wherever necessary.

MCQ

1. Multiple Choice Questions :

- (i) When more than two leaves arise at each node, the phyllotaxy is :
 - (a) Opposite decussate
 - (b) Opposite superposed
 - (c) Alternate
 - (d) Whorled
- (ii) Petiole is the stalk is :
 - (a) Flower
 - (b) Leaf
 - (c) Ovule
 - (d) Inflorescence
- (iii) Ovules attached to the margin of the ovary :
 - (a) Parietal placentation
 - (b) Marginal placentation
 - (c) Axile placentation
 - (d) Basal placentation

P.T.O.

- (iv) Systematic Botany is also known as :
- (a) Anatomy (b) Embryology
(c) Histology (d) Taxonomy
- (v) In Binomial nomenclature system the first name is :
- (a) Species (b) Family
(c) Genus (d) Order
- (vi) Diadelphous stamens are present in :
- (a) Fabaceae (b) Malvaceae
(c) Amonaceae (d) Brassicaceae
- (vii) Umbel inflorescence is the characteristic feature of :
- (a) Apiaceae (b) Brassicaceae
(c) Annonaceae (d) Caesalpiniaceae
- (viii) The type of fruit in Brassicaceae is :
- (a) Etario of Berries (b) Siliqua
(c) Drupe (d) Legume
- (ix) Botanical name of wheat is :
- (a) *Triticum aestivum* (b) *Sorghum Vulgare*
(c) *Ocimum sanctum* (d) *Zea mays*
- (x) The family Asteraceae is also known as :
- (a) Graminae (b) Umbelliferae
(c) Labiatae (d) Compositae

Theory

2. Describe the salient features of Engler and Prantl's system of classification of Angiosperms and add a note on its merits and demerits.

Or

Write short notes on :

- (a) Structure of typical flower (Hibiscus)
(b) Objectives of Angiosperm taxonomy.

3. Describe general characters of family Malvaceae. Give its floral formula and floral diagram.

Or

Write short notes on :

- (a) Hypogynous and epigynous flower
(b) Economic importance of Apiaceae.
4. Describe general characters of family Solanaceae. Give its floral formula and floral diagram.

Or

Write short notes on :

- (a) Types of simple fruits
(b) Economic importance of Poaceae.