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AO—67—2018

FACULTY OF SCIENCE

B.Sc. (Third Semester) EXAMINATION

MARCH/APRIL, 2018

(CBCS/CGPA)

BOTANY

Paper VI

(Morphology and Taxonomy of Angiosperms)

(MCQ + Theory)

(Monday, 26-3-2018)

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 diagrams wherever necessary.

MCQ

10

1. Multiple Choice Questions.

(1) When two leaves arise at each node, the phyllotaxy is :

(A) Alternate

(B) Opposite

(C) Spiral

(D) Whorled

(2) The stalk of flower is :

(A) Pedicel

(B) Petiole

(C) Filament

(D) Peduncle

(3) Ovules attached to the wall of ovary :

(A) Axile placentation

(B) Marginal placentation

(C) Parietal placentation

(D) Basal placentation

P.T.O.

- (4) The study of identification, classification and nomenclature of plants :
- (A) Anatomy (B) Genetics
(C) Cytology (D) Taxonomy
- (5) In binomial nomenclature system, the second name is :
- (A) Species (B) Genus
(C) Order (D) Family
- (6) Monadelphous stamens occur in :
- (A) Annonaceae (B) Malvaceae
(C) Brassicaceae (D) Meliaceae
- (7) Papilionaceous corolla is the characteristic feature of :
- (A) Fabaceae (B) Brassicaceae
(C) Annonaceae (D) Caesalpiniaceae
- (8) The type of fruit in Annonaceae is :
- (A) Capsule (B) Legume
(C) Drupe (D) Etario of Berries
- (9) Botanical name of Jowar is :
- (A) *Sorghum vulgare* (B) *Triticum aestivum*
(C) *Zea mays* (D) *Ocimum sanctum*
- (10) Family lamiaceae is also known as :
- (A) Graminae (B) Umbelliferae
(C) Labiatae (D) Compositae

Theory

2. Describe minor and major categories of classification.

Or

Write short notes on :

- (a) Types of simple fruits
(b) Artificial classification.

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

Or

Write short notes on :

- (a) Modifications of stem
(b) Economic importance of Fabaceae.
4. Describe the general characters of family Euphorbiaceae. Give its floral formula and floral diagram.

Or

Write short notes on :

- (a) Types of leaf venation
(b) Economic importance of Solanaceae.