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B—90—2019

FACULTY OF SCIENCE

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

MARCH/APRIL 2019

(CBCS/CGPA Pattern)

BOTANY

Paper VI

(Morphology and Taxonomy of Angiosperms)

(MCQ & Theory)

(Thursday, 28-3-2019)

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 diagram, wherever necessary.

MCQ

1. Multiple Choice Questions : 10
- (i) The plant organ which is ascending and negatively geotropic
- (a) Root (b) Stem
- (c) Leaf (d) Flower
- (ii) In hypogynous flower, ovary is
- (a) Superior (b) Inferior
- (c) Semi-superior (d) Semi-inferior

P.T.O.

- (iii) Pedicel is the stalk of
- (a) Leaf (b) Inflorescence
(c) Flower (d) Ovule
- (iv) In Binomial name, first name indicates
- (a) Family (b) Variety
(c) Species (d) Genus
- (v) Natural system of classification is proposed by
- (a) Bentham and Hooker (b) Engler and Prantl
(c) Hutchinson (d) Linnaeus
- (vi) The old name of Fabaceae is
- (a) Annonaceae (b) Cruciferae
(c) Papilionaceae (d) Umbelliferae
- (vii) The type of inflorescence in Apiaceae is
- (a) Verticillaster (b) Umbel
(c) Cyathium (d) Hypanthodium
- (viii) Custard Apple belongs to
- (a) Malvaceae (b) Asteraceae
(c) Meliaceae (d) Annonaceae
- (ix) Feathery stigma present in
- (a) Poaceae (b) Solanaceae
(c) Liliaceae (d) Lamiaceae
- (x) *Aloe vera* belongs to :
- (a) Solanaceae (b) Liliaceae
(c) Euphorbiaceae (d) Asteraceae

Theory

2. Describe salient features of Engler and Prantl's system. Give its merits and demerits. 10

Or

Write short notes on :

- (a) Types of venations
(b) Natural system of classification.

3. Describe in detail the family Brassicaceae with its floral formula and floral diagram. 10

Or

Explain in brief :

- (a) Racemose inflorescence
(b) Economic importance of Meliaceae.

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

Or

Explain in short :

- (a) Types of Phyllotaxy
(b) Economic importance of Asteraceae.