

KNT/KW/16/5085

Bachelor of Science (B.Sc.) Semester-II (C.B.S.) Examination

BOTANY (Palaeobotany & Morphology of Angiosperms)

Compulsory Paper-2

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **All** questions are compulsory and carry equal marks.

(2) Illustrate your answers with suitable example and diagrams wherever necessary.

1. Write notes on :

(a) Geological time scale

(b) Impression and compression.

5×2

OR

Write short notes on :

(c) Replacement theory

(d) *Glossopteris* leaf

(e) Infiltration theory

(f) Petrification.

2.5×4

2. Write notes on :

(a) Modification of roots for storage

(b) Types of leaves.

5×2

OR

Write short notes on :

(c) Pneumatophore

(d) Alternate phyllotaxy

(e) Sympodial branching

(f) Rhizome.

2.5×4

3. Write notes on :

(a) Capitulum inflorescence

(b) Types of aestivation.

5×2

OR

Write short notes on :

- (c) Spikelet inflorescence
- (d) Epigyny and hypogyny
- (e) Gynandrophore
- (f) Corymb inflorescence.

2.5×4

4. Write notes on :

- (a) Types of placentation
- (b) Types of aggregate fruits.

5×2

OR

Write short notes on :

- (c) Fixation of stamens
- (d) Epipetalous condition
- (e) Syconus fruit
- (f) Floral formula.

2.5×4

5. Write in two or three lines on each (any **ten**). Diagrams are not necessary.

- (a) Epoch
- (b) Palaeobotany
- (c) Fossilization
- (d) Tuber
- (e) Monopodial branching
- (f) Venation
- (g) Androphore
- (h) Perigyny
- (i) Gamopetalous
- (j) Legume
- (k) Monoadelphous
- (l) Gynoecium.

1×10