

Bachelor of Science (B.Sc.) Semester—II (C.B.S.) Examination
BOTANY (Palaeobotany and Morphology of Angiosperms) (New & Old)
Compulsory Paper—2
(New)

Time : Three Hours]

[Maximum Marks : 50

Note :—(1) **ALL** questions are compulsory and carry equal marks.

(2) Illustrate your answers with well labelled diagrams and examples wherever necessary.

1. Write on : 5×2
- (a) Petrification and compression
 - (b) Geological time scale.

OR

Write short notes on : 2½×4

- (c) Infiltration theory
- (d) Impression
- (e) Replacement theory
- (f) *Glossopteris* scutum.

2. Write on : 5×2
- (a) Monopodial and sympodial branching
 - (b) Types of Leaf.

OR

Write short notes on : 2½×4

- (c) Fusiform and fasciculated roots
- (d) Rhizome
- (e) Parallel venation
- (f) Structure of typical leaf.

3. Write on : 5×2
- (a) Cymose inflorescence
 - (b) Forms of corolla.

OR

Write short notes on : 2½×4

- (c) Epigyny and hypogyny
- (d) Androphore and gynophore
- (e) Valvate and Vexillary aestivation
- (f) Spadix inflorescence.

4. Write on : 5×2
- (a) Types of placentation
 - (b) Schizocarpic fruits.

OR

Write short notes on : 2½×4

- (c) Fixation of anthers
 - (d) Fleshy indehiscent fruits
 - (e) Cohesion of stamens
 - (f) Composite fruits.
5. Write in **two** or **three** lines only (any **ten**). Diagrams are not necessary. 1×10
- (a) Fossil
 - (b) Gondwana land
 - (c) Epoch
 - (d) Cladode
 - (e) Stilt root
 - (f) Stipule
 - (g) Gamosepalous
 - (h) Perigyny
 - (i) Spike
 - (j) Epipetalous
 - (k) Siliqua
 - (l) Apocarpous condition.

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Note :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Illustrate your answers with well labelled diagrams and examples.

1. Write on : 5×2
 - (a) Geological time scale
 - (b) Compression and petrification.

OR

- Write short notes on : 2½×4
- (c) Replacement theory
 - (d) *Glossopteris*
 - (e) Infiltration theory
 - (f) Impression.

2. Write on : 5×2
 - (a) Phyllotaxy
 - (b) Modifications of root for storage.

OR

- Write short notes on : 2½×4
- (c) Reticulate venation
 - (d) Stem tuber
 - (e) Sympodial branching
 - (f) Phyllode.

3. Write on : 5×2
 - (a) Cymose type of inflorescence.
 - (b) Capitulum inflorescence.

OR

- Write short notes on : 2½×4
- (c) Aestivation
 - (d) Hypogyny and epigyny
 - (e) Raceme and spike
 - (f) Cyathium.

4. Write on : 5×2
- (a) Types of dehiscent fruit.
 - (b) Floral diagram and floral formula.

OR

Write short notes on : 2½×4

- (c) Cohesion of stamens
 - (d) Composite fruits
 - (e) Marginal and axile placentation
 - (f) Cremocarp fruit.
5. Write in **two** to **three** lines (any **ten**). Diagrams are not necessary. 1×10
- (a) Fossilization
 - (b) Eva
 - (c) Jurassic period
 - (d) Stilt root
 - (e) Tendril
 - (f) Bulb
 - (g) Lodicule
 - (h) Spathe
 - (i) Androphore
 - (j) Versatile anther
 - (k) Drupe
 - (l) Epipetalous condition.