

Seat Number

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Oct-2014



कुमकुम - 045

BOTANY PAPER - I : BOT-231
Morphology and Taxonomy of Angiosperms
(New) (23145)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.
6. Draw neat & labelled diagrams wherever necessary.

1. Solve any eight.

8

- i) Define phylogenetic system of classification.
- ii) Define superior ovary.
- iii) What is deciduous calyx?
- iv) Family euphorbiaceae is included in order-----
 - a) Malvales
 - b) Personales
 - c) Polymonales
 - d) Unisexuales.
- v) ----- corolla is present in papilionaceae (fabaceae)
 - a) Bilabiate
 - b) Campanulate
 - c) Papilionaceae
 - d) Cruciform
- vi) Define perigynous flower.
- vii) Give any two functions of root.
- viii) Define taxonomy
- ix) Enlist any two functions of taxonomy.
- x) Define epipetalous condition.

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2. Solve any four.

8

- a) Define opposite phyllotaxy.
- b) Give general characters of stem.
- c) Define placentation.
- d) What is woody stem?
- e) What is flower?
- f) What is inflorescence?

3. Solve any two.

8

- i) Enlist the types of racemose inflorescence.
- ii) Give parts of typical flower.
- iii) Economic importance of solanaceae.

4. a) Solve any two.

6

- i) Explain follicle fruits.
- ii) Explain free central placentation.
- iii) Explain diadelph.

b) Explain dorsifixed anther.

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5. Give outline of Bentham and Hooker's system of classification upto series.

8

OR

Describe aestivation
