

Oct-2013

Seat
No.

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कुंतल - 023

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

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet 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

- a) Define natural system of classification.
- b) What is placentation ?
- c) What is persistent calyx ?
- d) Family malvaceae is included in order -----.
i) Malvales ii) Personales
iii) Polymonales iv) Unisexuales
- e) ----- corolla is present in papilionaceae (Fabaceae).
i) Bilabiate ii) Campanulate
iii) Papilionaceous iv) Cruciform
- f) Define superior ovary.
- g) Give any two functions of stem.
- h) Define morphology.
- i) Enlist any two functions of leaf.
- j) Give any two functions of taxonomy.

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2. Solve any four. 8
- a) Explain alternate phyllotaxy.
 - b) Give general characters of root.
 - c) Define venation.
 - d) What is herbaceous stem.
 - e) What is inflorescence ?
 - f) What is flower ?
3. Solve any two. 8
- i) Describe cymose inflorescence.
 - ii) Give merits of Bentham & Hooker's system of classification.
 - iii) Economic importance of rubiaceae.
4. a) Solve any two. 6
- i) Explain etaerio of berries.
 - ii) Explain axile placentation.
 - iii) Explain monoadalphy.
- b) Explain basifixed anther. 2
5. Describe in detail - capsular fruit. 8

OR

Describe aestivation.
