

Seat Number

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Nov-2015



कर्ता - 021

BOTANY PAPER - I : BOT-231
Morphology and Taxonomy of Angiosperms
(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. Graph or diagram should be drawn with the black ink 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 and labelled diagrams wherever necessary.

1. Solve any eight.

8

- a) Give types of fruits.
- b) What is polypetalous corolla.
- c) Mention types of venation.
- d) Give types of classification.
- e) The term taxonomy is coined by -----
 - i) De Candolle
 - ii) De Jussieu
 - iii) Caspar Bauhin
 - iv) John Lindley
- f) Cyathium inflorescence is found in family -----
 - i) Malvaceae
 - ii) Solanaceae
 - iii) Euphorbiaceae
 - iv) Rubiaceae
- g) Give sub branches of Morphology.
- h) Any two characters of stem.
- i) Define inflorescence.
- j) Define root.

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2. Attempt any four. 8
- Any two merits of Bentham and Hookers system.
 - Characters of racemose inflorescence.
 - Discuss drupe type of fruit.
 - What is nomenclature?
 - Give systematic position of Rubiaceae.
 - Uniparous cymose inflorescence.
3. Attempt any two. 8
- Binomial nomenclature.
 - Give outline of Bentham and Hooker system of classification.
 - Describe types of placentation.
4. a) Attempt any two. 6
- Discuss reticulate venation.
 - Give functions of stem.
 - Explain types of root system.
- b) Caryopsis type of fruit. 2
5. Give general morphological characters of family Malvaceae. 8

OR

What is aestivation? Add a note on its types.
