

Seat Number

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April 2015



खजूर - 018

**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) Define flower.
- c) Mention parts of typical leaf.
- d) Give types of classification.
- e) Presence of epicalyx is the character of family .....
  - i) Euphorbiaceae
  - ii) Cannaceae
  - iii) Solanaceae
  - iv) Malvaceae
- f) The term taxonomy is coined by .....
  - i) de Candolle
  - ii) de jussieu
  - iii) Casper Bauhin
  - iv) John Lindley
- g) Give sub branches of morphology.
- h) What is herbaceous stem ?
- i) Name types of root system.
- j) Mention types of cymose inflorescence.

2. Attempt **any four**.

8

- a) What is artificial classification ?
- b) Any two economic importance of family solanaceae.
- c) Define inflorescence.
- d) Etymology of berries type of fruit.
- e) Two demerits of Bentham and Hookers system.
- f) Characters of racemose inflorescence.

3. Attempt **any two**.

8

- i) Give distinguishing features of angiosperms.
- ii) Give outline of Bentham and Hooker system of classification.
- iii) Write an account on adhesion in stamens.

4. a) Attempt **any two**.

6

- i) What is simple and compound leaf ?
- ii) Define root and give its functions.
- iii) General characters of stem.

b) Explain Follicle type of fruit.

2

5. Write distinguishing features and economic importance of family - Euphorbiaceae.

8

OR

What is placentation ? Add a note on its types.

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