

Q.1. Answer all questions.

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- (i) "Complex of cells of common origin" are usually termed as:
(a) tissue (b) complex cells (c) companion cell (d) All
- (ii) The tissue which develops from a mature tissue which have already undergone Differentiation is called as:
(a) Secondary meristem (b) Primary meristem (c) Promeristem (d) None
- (iii) Potentially interbreeding population "are:
(a) Biological species (b) Ecotone (c) Ecological species (d) both b and c
- (iv) Apocarpous pistil is present in :
(a) Euphorbia sp. (b) Annona sp. (c) Ixora sp. (d) Abutilon sp.
- (v) Cotton belongs to the genus:
(a) Cocos (b) Croton (c) Corchorus (d) Gossypium
- (vi) Leaves are LYRATE in:
(a) Banana (b) Mustard (c) Neem (d) Tea



Q.2. Short answer questions. Answer any three.

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- (i) write the cytological characters of meristems.
- (ii) Sketch and label the structure of mature sieve tube member.
- (iii) Assign the following genera to their respective families:
(a) Annona (b) Melia (c) Faba (d) Aster
- (iv) Describe the economic importance of the family Meliaceae giving examples.
- (v) Write a small paragraph on the qualities of tea.
- (vi) Describe the botanical characteristics of Cotton plant.

Q.3. Describe the structure of Phloem

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OR

Q.3. Define meristem and classify the meristem based on its position in the plant body.

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Q.4. Describe the characters of the family Annonaceae giving examples.

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OR

Q.4. Describe the characters of the family Rubiaceae giving examples.

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Q.5. Give a general account of Cotton.

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OR

Q.5. Write notes on:

- (a) Characteristics of Jute fibers.
- (b) Properties of mustard oil

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