

P. Pages : 1

Time : Three Hours



AW - 2322

Max. Marks : 60

- Notes :
1. All question carry equal marks.
  2. Answer **any five** question.
  3. Illustrate your answer necessary with the help of neat sketches.
  4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Define and explain plant tissue culture technique. Write its nutritional requirement and add a note on applications of plant tissue culture. 12
2. a) Give biological source, preparation and uses of papain. 7  
b) Isolation and characterisation of Rutin. 5
3. Write the importance of chromatographical technique in evaluation of Herbal drugs. 12
4. Write the general methods of Isolation and characterisation of Alkaloids and Volatile oils. 12
5. a) Write about plants use in the management of Hypertension. 7  
b) Give biological source, preparation and uses of pancreatin. 5
6. Define allergy. Classify plant allergens with examples. Add a note on Immunotherapy. 12
7. Write short notes on **any three**. 12
  - a) Photosynthesizing agents
  - b) Isolation of Quinine
  - c) Worldwide trade of medicinal plants
  - d) Plants used in cancer

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