

M.Pharm. First Year (Pharmacognosy) (CBCS Pattern) Sem-I  
**MPG102T - Advanced Pharmacognosy-I**

P. Pages : 1

Time : Three Hours



**GUG/W/22/14159**

Max. Marks : 75

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- Notes :
1. Diagrams and Chemical equation should be given wherever necessary.
  2. Illustrate your answers wherever necessary with the help of neat sketches.
  3. All questions are compulsory.

- 1. SHORT NOTE (Answer any ten) 10x2  
=20**
- a) Health benefits of Turmeric.
  - b) Herbarium preparation and its importance.
  - c) Methods for authentication of plants.
  - d) Different factors affecting the choice of extraction.
  - e) Application of different chromatography techniques in the isolation and identification of phytoconstituents.
  - f) Note on Pharmacovigilance with their objectives.
  - g) Different sources of flavonoids.
  - h) Define Probiotics with suitable examples.
  - i) Note on FASSI.
  - j) Define Nutrigenomics.
  - k) Types of Marine Natural Products.
- 2. SHORT ESSAY (Answer any five) 5x7  
=35**
- a) Write a note on Current good agricultural practices.
  - b) Explain role of ICAR in medicinal plant cultivation.
  - c) Write a note on dietary fibers and vitamin supplements.
  - d) Describe the method for isolation and purification of bioactive compounds from marine sources.
  - e) Give the source, name of the marker compound, chemical nature, medicinal uses and health benefits of garlic.
  - f) Write the occurrence chemical nature, medicinal and health benefits of carotenoids.
  - g) Explain herb-food adverse reactions with suitable examples.
- 3. LONG ESSAY (Answer any two). 2x10  
=20**
- a) Explain the importance and different methods for conservation of medicinal plants.
  - b) What are nutraceuticals? Discuss the formulation, standardization and regulatory aspects of nutraceuticals
  - c) Explain pharmacovigilance for herbal drugs and AYUSH guidelines for safety monitoring of herbal drug.

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