



**DAP-BP-405-T**

Seat No. \_\_\_\_\_

**M. P. M. (Sem. IV) (W.E.F. 2017) Examination**

**May - 2022**

**Pharmacognosy & Phytochemistry - I**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Figures to the right indicate marks.  
(2) Draw neat and clean diagram as required.

**1** Answer following questions. **20**

- (1) Explain the term substitution and sophistication with examples.
- (2) How to prepare absorbent cotton from raw cotton?
- (3) Differentiate True tannins and Pseudotannins.
- (4) Write a comment on- "papain is known as vegetable pepsin".
- (5) Explain the term explant and callus.
- (6) Differentiate organized drug and unorganised drug.
- (7) Give general test of Alkaloids.
- (8) Write about history of Pharmacognosy.
- (9) Write biological source and uses of bees wax.
- (10) Classify the soil as per its particle size.

**2** Answer the following questions. (Any Two) **20**

- (1) Enlist organoleptic evaluation parameters. Write in details about qualitative and quantitative microscopical evaluation parameters.
- (2) Describe in detail about different methods of cultivation. Explain the parameters which affect cultivation and collection of drugs.
- (3) Discuss in detail about protoplast culture. Give the applications of PTC in Pharmacognosy.

**3** Answer the following questions. (Any **Seven**)

**35**

- (1) Discuss in detail about ash value and extractive values of drugs with its importance.
  - (2) Write a note on morphological and chemical classification of crud drugs.
  - (3) Discuss in detail about role of Pharmacognosy in Allopathy System of Medicine.
  - (4) Give B.S, C.C and uses of castor oil and tragacanth.
  - (5) Define fibres. Classify it. Write B.S, C.C and Uses of hemp.
  - (6) Write in detail about anti-viral drugs from marine source.
  - (7) Define Glycosides. Give its different classification with examples.
  - (8) How to sterilised different explants used in plant tissue culture?
  - (9) Discuss in length about gelatine and bromelin.
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