



**JAP-1612060701060600** Seat No. \_\_\_\_\_

**M. P. M. (Sem. VI) (CBCS) Examination**

**November - 2019**

**Pharmacognosy - V**

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Figures to the right indicates marks.  
(2) Answer any three questions from each section.  
(3) Question no. 1 and Question no. 5 are compulsory.  
(4) Draw neat and clean diagram as required.

**SECTION - I**

- 1** Answer any **seven** out of ten : **14**
- (i) Enumerate different methods of pest control.
  - (ii) Write botanical source and family of any two plants used as bitters.
  - (iii) Define probiotics and prebiotics.
  - (iv) Explain mycotoxin with examples.
  - (v) Write botanical source and uses of pap.
  - (vi) Explain toxic plants.
  - (vii) Write identification tests for trypsin.
  - (viii) Write uses of Streptokinase and Urokinase.
  - (ix) Write health benefits of ginseng.
  - (x) Explain advantages of herbal hair colorants with examples.
- 2** (A) Define plant tissue culture. Discuss its applications, advantages and disadvantages. **7**
- (B) Write a short note on phytopharmacovigilance. **6**
- 3** (A) Define and classify enzymes with suitable examples. **7**
- (B) Discuss in detail composition of nutrient media in plant tissue culture technique. **6**

- 4 (A) What is marine pharmacognosy? Explain marine anticancer drugs. 7  
(B) Explain various types of culture used in plant tissue culture technique with its uses. 6

## SECTION - II

- 5 Answer any **two** out of three : 14  
(a) Define natural allergens. Brief about various types of allergy caused by natural allergens.  
(b) Write in detail about photosensitizing agents from plant source.  
(c) Define and classify the nutraceuticals. Write in detail of any one plant used as nutraceuticals.
- 6 (A) Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for hair care and skin care cosmetics. 7  
(B) Give botanical source, method of preparation, identification tests and uses of pepsin. 6
- 7 (A) Define antioxidant. Explain role of antioxidants as nutraceuticals. 7  
(B) Write biological source, preparation, identification test and uses of diastase. 6
- 8 (A) Define pesticide and herbicide? Describe any two herbal drugs are used in it. 7  
(B) Classify and discuss various plant sweeteners. 6