



**PBD-014-003510** Seat No. \_\_\_\_\_

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

**November / December - 2018**

**BP506T : Pharmacognosy - III**

**Faculty Code : 014**

**Subject Code : 003510**

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Question 1 and 5 are compulsory.  
(2) Answer any three from each section.  
(3) Figure to the right indicate marks.  
(4) Draw neat and clean diagram when required.

**SECTION - I**

- 1** Answer any **seven** out of given ten questions : **14**
- (1) Define Pharmaceutical aid with example
  - (2) Write biological source of any two natural colours.
  - (3) Discuss properties of saponin glycosides.
  - (4) Give chemical tests for Cardiac glycosides.
  - (5) Write biological source and use of mustard and black mustard.
  - (6) Write identification test for Anthraquinone glycoside with its principle.
  - (7) Write biological source and uses of linseed.
  - (8) Discuss phytochemical tests for flavonoids.
  - (9) Write biological source and uses of Bhringraj.
  - (10) Write biological source and uses of Chakramadu.
- 2** Answer the following :
- (1) Write Pharmacognostic note on Satavari. **7**
  - (2) Give the biological source, chemical constituents and **6**  
uses of any two cyanogenetic glycoside.

- 3** Answer the following :
- (1) Define and classify Saponin glycosides. Give the biological source, chemical constituents and uses of Ginseng. **7**
- (2) Write pharmacognostic note on Mulethi. **6**
- 4** Answer the following :
- (1) Write a detailed note on senna with its leaf microscopy **7**
- (2) Write a pharmacognostic note on Aloe. **6**

## SECTION - II

- 5** Answer any **two** out of three : **14**
- (1) Define glycosides. Write their classification and chemistry.
- (2) Write a detailed pharmacognostic note on Brahmi
- (3) Define cardiac glycoside. Discuss cardenolides and bufadenolides with example and write note on Digitalis.
- 6** Answer the following :
- (1) Define plant tissue culture with its merits and demerits. Enlist its application. **7**
- (2) Discuss different types of culture in Plant tissue culture. **6**
- 7** Answer the following :
- (1) Write biological source, chemical constituents and uses of any two bitter glycosides. **7**
- (2) Give the biological source, chemical constituents and uses of any two flavonoid glycoside. **6**
- 8** Answer the following :
- (1) Discuss biological source, morphology and microscopy of Thevetia and Nerium **7**
- (2) Write a note on natural fibres. **6**