



HEG-014-003510

Seat No. _____

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

November / December – 2017

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) Figures to the right indicate marks.
(4) Draw neat and clean diagram when required.

SECTION – I

1 Answer any **seven** out of given ten questions : **7×2=14**

- (1) Write biological source for Majith and almond.
- (2) Discuss properties of saponin glycosides.
- (3) Write some uses of cell suspension cultures.
- (4) Give chemical tests for Cardiac glycosides.
- (5) Differentiate between Raw cotton and surgical cotton.
- (6) Write biological source and use of senega.
- (7) Write identification test for Anthraquinone glycoside with its principle.
- (8) Write biological source for any one diuretic saponin glycoside.
- (9) Write biological source and uses of Chakramadu.
- (10) Write biological source and chemical composition of Talc.

2 Answer the following :

- (1) Define glycosides. Write their classification and chemistry. **7**
- (2) Write Pharmacognostic note on Satavari. **6**

- 3** Answer the following :
- (1) Define Saponin glycosides. Give the biological source, macroscopic features, chemical constituents and uses of Liquorice. **7**
- (2) Write note on Brahmi. **6**
- 4** Answer the following :
- (1) Define Plant tissue culture. Discuss Nutritional requirement for Plant tissue culture. **7**
- (2) Write note on natural colours. **6**

SECTION – II

- 5** Answer any **two** out of three : **7×2=14**
- (1) Write note on natural fibres.
- (2) Write the difference between the following : (any two)
- (a) Indian Squill and European Squill
- (b) Chinese rhubarb and Rhapontic rhubarb
- (c) Cardenolides and Bufadienolides
- (3) Write note on different types of culture and application of Plant tissue culture.
- 6** Answer the following :
- (1) Write detailed note on senna with its leaf microscopy **7**
- (2) Write biological source and chemical constituents of following : **6**
- (1) Bada Gokhru (2) Mustard (3) Bhilama
- 7** Answer the following :
- (1) Write a pharmacognostic note on Aloe **7**
- (2) Write biological source, chemical constituents and uses of any two bitter glycosides **6**
- 8** Answer the following :
- (1) Write note on cardiotonic leaf drug. **7**
- (2) Discuss biological source, morphology and microscopy of Thevetia and Nerium. **6**