



JS-1612050701020500 Seat No. _____

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

August / September - 2019

Pharmacognosy - I

(New Course)

Time : 3 Hours]

[Total Marks : 80

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

SECTION - I

- 1 Answer Any Seven out of Ten : 14**
- (1) Draw well labelled diagram of typical leaf.
 - (2) Give biological source of Guar gum.
 - (3) Draw well labelled diagram of different types of margin of leaf
 - (4) Differentiate collenchyma and sclerenchyma.
 - (5) Explain the term bisexual flower with examples.
 - (6) Enlist different parameter of physical evaluation of drug.
 - (7) Differentiate between xylem and Phloem
 - (8) Define and explain about hybridization.
 - (9) Classify carbohydrate with suitable examples.
 - (10) Draw well label diagram of foliar bud.
- 2 Answer the following questions : 7**
- (1) Define Adulteration. Enlist different type of adulteration. Write in detail about any one. **7**
 - (2) Define root. Draw well labelled diagram of region of root. Differentiate between monocot and dicot root. **6**

- 3** Answer the following questions : **7**
- (1) Differentiate followings **7**
- (a) Acacia and Tragacanth
- (b) Simple leaf and compound leaf
- (2) Define crud drug. Write in detail about animal as a source of drug. **6**

- 4** Answer the following questions :
- (1) Write in detail about alphabetical and Pharmacological classification of drug. **7**
- (2) Write short note on leaf Venetian. **6**

SECTION - II

- 5** Answer Any **Two** out of Three : **14**
- (1) Explain in detail of Ariel stem modification with well labelled diagram.
- (2) Write botanical source, chemical constituents and uses of Isabgol and Agar.
- (3) Discuss in detail about factors affecting cultivation of drugs.

- 6** Answer the following questions :
- (1) Define Pharmacognosy. Describe in detail about History of Pharmacognosy. **7**
- (2) What are the different methods of cultivation of drug? **6**

- 7** Answer the following questions :
- (1) Discuss in detail about non-living cell content of plant. **7**
- (2) Enlist different types of evaluation of drug. Write in detail about leaf constant values. **6**

- 8** Answer the following questions :
- (1) Draw well labelled diagram of flower. Explain in detail about essential whorl of flower. **7**
- (2) Write in detail about surface, shape and different types of bark. **6**