



JBW-1612060701040600 Seat No. _____

M. P. M. (Sem. IV) Examination

January - 2020

Pharmacognosy - III

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Figures 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 & clean diagrams as required.

SECTION - I

- 1 Answer Any Seven out of Ten : 14**
- (1) Comment on "Cascara bark is stored at least one year before use."
 - (2) Give physicochemical properties of Resins.
 - (3) Define Resins. Classify as per its origin.
 - (4) Comment on "Cape aloe is transparent in nature".
 - (5) Write biological source and uses of Chakramadu.
 - (6) Comment on "Digitalis gives Killer-kilani test positives".
 - (7) Give the identification test for anthraquinone C-glycosides.
 - (8) Draw well labelled diagram of T.S. of satavari root.
 - (9) Comment on "Asafoetida gives combine umbelliferone test positive."
 - (10) Write biological source and uses of Guggul.
- 2 Answer the following questions : 7**
- (1) Define and classify the Glycosides. Enlist the saponine glycosides. Write in detail about any one antidiabetic drug from saponine class. **7**
 - (2) Differentiate the following : **6**
 - (a) Mandukparni and Jalbrahmi
 - (b) Siam Benzoin and Sumatra Benzoin
- 3 Answer the following questions : 7**
- (1) Write in detail about Digitalis. **7**
 - (2) Write a pharmacognostic note on an anti-cancer resin drug. **6**

- 4 Answer the following questions :
- (1) Write down Botanical source, morphology, microscopy, chemical constituents and commercial varieties of Turmeric. 7
- (2) Differentiate the following 6
- (a) Tolu balsam and Peru balsam
- (b) Cardenolide and Bufadenolide

SECTION - II

- 5 Answer Any Two out of Three : 14
- (1) Explain in detail about B.S., C.C, morphology and microscopy with well labelled diagram of yashtimadhu.
- (2) Write botanical source, chemical constituents and uses of following :
- (i) Capsicum
- (ii) Gentian
- (iii) Vidang
- (3) Write down Botanical source, chemical constituents, morphology and uses of Psorelia and Majith.
- 6 Answer the following questions :
- (1) Write a note on Cannabis. 7
- (2) Write in detail about Rubarb and Strophanthus. 6
- 7 Answer the following questions :
- (1) Write botanical source, chemical constituents and uses of bufadenolide containing drug. 7
- (2) Differentiate the following 6
- (a) Yellow Karen and Pink Karen
- (b) Chhota Gokharu and Bada Gokharu
- 8 Answer the following questions :
- (1) Explain in detail about Senna. 7
- (2) Differentiate the following 6
- (a) Chirata and Kalmegh
- (b) Indian Senna and Alexandrian Senna