



PBD-1612060701040600 Seat No. _____

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

November / December - 2018

Pharmacognosy : Paper - III

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Fingers 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) Comment on "Cascara bark is stored at least one year before use."
- (2) Give physicochemical properties of Glycosides.
- (3) Define Resins. Classify as per the other group is associated with it.
- (4) Comment on "Curacao aloe is transparent in nature".
- (5) Write biological source of Chakramadu and Almond.
- (6) Comment on "Stophanthus gives killer-kilani test positives".
- (7) Give the identification test for anthraquinone C-glycosides.
- (8) Draw well labelled diagram of T. S of linseed.
- (9) Comment on" Asafoetida gives combine umbelliferone test positive."
- (10) Write biological source and uses of Myrrh.

2 Answer the following questions :

- (1) Define and classify the Glycosides. Enlist the saponine glycosides. Write in detail about Galactogogue drug. **7**

- (2) Differentiate following : 6
 (a) Mandukparni and Jalbrahmi
 (b) Tolu Balsam and Peru Balsam
- 3 Answer the following questions :
 (1) Write in detail about Aloe. 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 verities of Ginger. 7
 (2) Differentiate following : 6
 (a) Digitalis purpurea and Digitalis lanata
 (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 mulethi.
 (2) Write botanical source, chemical constituents and uses of following :
 (i) Calophyllum
 (ii) Gentian
 (iii) Psorelia
 (3) Write down Botanical source, chemical constituents, morphology and uses of Madhunasini and Majith.
- 6 Answer the following questions :
 (1) Write a note on Ester resins drug. 7
 (2) Write in detail about Isothiocyanate glycosides. 6
- 7 Answer the following questions :
 (1) Write botanical source, chemical constituents and uses of Rubarb. 7

- (2) Differentiate following : **6**
- (a) Thevetia and Nerium
 - (b) Chhota Gokharu and Bada Gokharu
- 8** Answer the following questions :
- (1) Explain in detail about Senna. **7**
- (2) Differentiate following : **6**
- (a) Chirata and Green Chirata
 - (b) African Capsicum and Indian Capsicum
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