



HG-014-003410

Seat No. _____

**Master of Pharmacy Management (MPM)
(Sem. IV) (CBCS) Examination**

May / June - 2017

Pharmacognosy - II

Faculty Code : 014

Subject Code : 003410

Time : 3 Hours]

[Total Marks : 80

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

SECTION - I

- 1** Answer any **seven** out of ten : **14**
- (1) Comment on "Dry ginger is more pungent than fresh ginger."
 - (2) Give physicochemical properties of volatile oils.
 - (3) Define tannin. Give general chemical test for identification of tannin.
 - (4) Comment on "Lemongrass oil is used for synthesis of vitamin A".
 - (5) Write biological source of Bael and Ashoka.
 - (6) How to prepare round and flat ganja?
 - (7) Enlist the phenol containing volatile oils with its biological source.
 - (8) Draw well labelled diagram of T.S of Mentha spicata leaf.
 - (9) Comment on "Asafoetida gives combine umbelliferone test positive.
 - (10) Write biological source and uses of Nagarmoth.

- 2** Answer the following questions :
- (1) Define and classify the resins. Give detailed. **7**
 pharmacognostic note on acid resin.
- (2) Differentiate followings : **6**
 (a) Coriander and Fennel
 (b) Cinnamon and Cassia
- 3** Answer the following questions :
- (1) Enlist the isolation methods for volatile oils. Describe **7**
 in detail about cold method of isolation.
- (2) Differentiate following : **6**
 (a) Hydrolysable tannins and condensed tannins
 (b) Siam Benzoin and Sumatra Benzoin
- 4** Answer the following question :
- (1) Write down Botanical source, morphology, microscopy, **7**
 chemical constituents and commercial varieties of
 cardamom.
- (2) Differentiate following : **6**
 (a) Bombay Capsicum and African Capsicum
 (b) Black Catechu and Pale Catechu

SECTION - II

- 5** Answer any two out of three : **14**
- (1) Define essential oil. Classify it with suitable examples.
 Draw well labelled diagram of T.S. of Vaj rhizome.
- (2) Write botanical source. chemical constituents and uses
 of following :
 (i) Myrrh
 (ii) Valerian
 (iii) Indian Saffron
- (3) Write down Botanical source, chemical constituents,
 cultivation collection and uses of Amla and Myrobalan.
- 6** Answer the following questions :
- (1) Write a note on Balsam. **7**
- (2) Describe general morphological and microscopical **6**
 characters of umbelliferous fruits. Differentiate European
 Dill and Indian Dill.

- 7 Answer the following questions :
- (1) Write botanical source, chemical constituents and uses of Indian Jalap and Pterocarpus. 7
 - (2) Differentiate following : 6
 - (a) Guggul and Salai Guggul
 - (b) Indian Podophyllum and American Podophyllum.
- 8 Answer the following questions :
- (1) Explain in detail about Garlic and Vidang. 7
 - (2) Write phannacognostic note on drug which is used as nasal decongestant. 6
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