



M-161250701030500 Seat No. _____

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

May / June – 2018

Pharmacognosy - II

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
1. Finger 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 "Dry valerian gives bad smell."
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 Star anise and Garlic.
6. Define pharmaceutical aids. Classify it with suitable examples.
7. Enlist the phenol containing volatile oils with its biological source.
8. Draw well labelled diagram of T.S of Mentha spicata leaf.
9. Define Acid value and Iodine Value with its importance.
10. What is pharmacopoeia? Give current IP edition and its no. of volumes.

2 Answer the following questions :

1. Define and classify lipids. Give detail pharmacognostic note on castor oil. **7**
2. Differentiate followings : **6**
 - a. Coriander and Fennel
 - b. Cinnamon and Cassia

- 3** Answer the following questions :
1. Write a pharmacognostic note on Clove. **7**
 2. Write B.S., Chemical constituents, Morphology and varieties of drug used in preparation of Gripe water. **6**
- 4** Answer the following questions :
1. Write down Botanical source, morphology, microscopy, chemical constituents and commercial varieties of cardamom. **7**
 2. Differentiate followings : **6**
 - a. Cumin and Caraway
 - b. Heavy kaolin and Light kaolin.

SECTION - II

- 5** Answer any **two** out of **three** : **14**
1. Describe general morphological and Microscopical characters of umbelliferous fruits. Draw well labelled diagram of T.S. of Vaj rhizome.
 2. Write botanical source, chemical constituents and uses of followings :
 - i) Nutmeg
 - ii) Shark liver oil
 - iii) kokum butter.
 3. Enlist the isolation methods for volatile oils. Describe in detail about cold method of isolation.
- 6** Answer the following questions :
1. Write a note on USP and Chinese Pharmacopoeia. **7**
 2. Define essential oil. Classify it with suitable examples. Differentiate Volatile oil and fixed oil. **6**
- 7** Answer the following questions :
1. Give Chemical test and Classification of Alkaloid and Glycosides. **7**
 2. Write B.S., C.C. and Uses of Sesame oil and Hydnocarpus oil. **6**
- 8** Answer the following questions.
1. Explain in detail about Olive oil and Bees wax. **7**
 2. Write pharmacognostic note on sandal wood and vetiver. **6**