



JS-161250701030500 Seat No. _____

**Master of Pharmacy Management (Sem. III)
(CBCS) Examination**

August / September - 2019

Pharmacognosy - II

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 "Coriander contains less volatile oil than fennel"
 - (2) Give physiochemical properties of volatile oils.
 - (3) Define resin. Give general chemical test for identification of resins.
 - (4) Comment on "volatile oil is known as ethereal oil".
 - (5) Write biological source of beta ionine containing drug..
 - (6) Define pharmaceutical aids. Classify it with suitable examples.
 - (7) Enlist the ester containing volatile oils with its biological source.
 - (8) Draw well labelled diagram of T.S of Eucalyptus leaf.
 - (9) Define Acid value and saponification 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 a detailed pharmacognostic note on castor oil. **7**
- (2) Differentiate the following **6**
- (a) Caraway and Cumin
- (b) Chinese Cinnamon and Ceylon Cinnamon
- 3** Answer the following questions :
- (1) Write a pharmacognostic note on Cardamom. **7**
- (2) Write B.S, Chemical constituents, Morphology and varieties of drug used as dental analgesic. **6**
- 4** Answer the following questions :
- (1) Write down Botanical source, morphology, microscopy, chemical constituents and commercial varieties of dill. **7**
- (2) Differentiate the following : **6**
- (a) Shark liver oil and Cord liver oil
- (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 fennel mericarp.
- (2) Write botanical source, chemical constituents and uses of following ;
- (i) Valerian
- (ii) Lard
- (iii) Bees wax
- (3) Write a note on IP and USP.

- 6** Answer the following questions :
- (1) Enlist the isolation methods for volatile oils. Describe in detail about cold method of isolation. **7**
 - (2) Define fixed oil. Classify it with suitable example. Differentiate fixed oil and volatile oil. **6**
- 7** Answer the following questions :
- (1) Write a pharmacognostic note on coriander. **7**
 - (2) Write B.S, C.C and Uses of Olive oil and Rice bran oil. **6**
- 8** Answer the following questions :
- (1) Explain in detail about Talc and Diatomite. **7**
 - (2) Write a pharmacognostic note on nutmeg and Vaj. **6**
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