



HJ-014-003610

Seat No. _____

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

May / June - 2017

Pharmacognosy - IV

Faculty Code : 014

Subject Code : 003610

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Answer & tie both the section separately.
 - (2) Finger 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 & clean diagrams as required.

SECTION - I

- 1** Answer any **seven** out of ten : **14**
- (1) Classify the plant sweetener with suitable examples.
 - (2) Give properties of Enzymes.
 - (3) Give general test for alkaloids
 - (4) Comment on Theophylline gives murexide test positive."
 - (5) Write biological source of Ergot.
 - (6) Give two examples of marine drug used as an antiviral agent.
 - (7) Define pesticides. Give two examples of natural pesticides.
 - (8) Give the specific chemical test to identify tropan alkaloids.
 - (9) Draw well labelled diagram of T.S of *Tylophora indica* leaf.
 - (10) Write biological source of glycoalkaloid containing drug.
- 2** Answer the following questions :
- (1) Write a note on peptide alkaloids and explain the life cycle of ergot. **7**
 - (2) Draw and explain the histology of Nux-vomica seed. **6**

- 3** Answer the following questions :
- (1) Give a pharmacognostic note on antimalarial drug. **7**
 - (2) Differentiate followings **6**
 - (a) Rio Ipecac and Cartegena Ipecac
 - (b) Tobacco and Indian tobacco

- 4** Answer the following questions :
- (1) Write B.S, C.C and Uses of drug used as an anticancer agent. **7**
 - (2) Give Biological source, method of preparation and uses of Diastase. **6**

SECTION - II

- 5** Answer any **two** out of three : **14**
- (1) Define alkaloids. Classify it with suitable examples. Give general isolation method of alkaloids.
 - (2) Write botanical source, chemical constituents and uses of followings :
 - (i) Chhota chand
 - (ii) Jaborandi
 - (iii) Deadly nightshade leaf
 - (3) Write a short note on marine drugs.

- 6** Answer the following questions :
- (1) Write a note on bioavailability enhancing drug. **7**
 - (2) Write a note on pepsin and vegetable pepsin. **6**

- 7** Answer the following questions :
- (1) Write botanical source, chemical constituents and uses of followings **7**
 - (i) Pomegranate
 - (ii) Aconite
 - (iii) Kurchi
 - (2) Differentiate followings **6**
 - (a) *Datura metel* and *Datura innoxia*
 - (b) *Veratrum viridi* and *veratrum album*

8 Answer the following questions :

- (1) Write a short note on alkaloidal amine drugs. **7**
- (2) Write a detailed note on Opium with their cultivation, collection and preparation. **6**
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