



MCS-014-003610

Seat No. _____

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

May / June - 2018

Pharmacognosy - IV

Faculty Code : 014

Subject Code : 003610

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Attempt three questions from each section.
 - (2) Question 1 and 5 are compulsory.
 - (3) Figures to the right indicate full marks for the respective question.

SECTION - I

- 1** Answer the following questions : (any **seven**) **14**
 - (1) Define herbicides. Give two examples of herbicides.
 - (2) Give B.S and uses of Pomegranate.
 - (3) Give identification test for purine alkaloids.
 - (4) Comment on "Papain is known as vegetable pepsin".
 - (5) Define enzymes. Classify it as per its origin.
 - (6) Give two examples of marine drugs used as anticancer agent.
 - (7) Give two examples of non-saccharide plant sweeteners.
 - (8) Give the B.S and uses of quinazoline class of alkaloids.
 - (9) Draw well labelled diagram of T.S of Nux vomica seed.
 - (10) Write biological source of glycoalkaloid containing drug.
- 2** (1) Define alkaloids. Give its physicochemical properties. **7**
Classify it with suitable examples.
(2) Enlist the tropane class of alkaloids. Write in detail **6**
about different species of Datura.
- 3** (1) Give a pharmacognostic note on anticancer drugs **7**
from indole and diterpene class of alkaloids.
(2) Differentiate following : **6**
 - (a) Badachand and Chhota Chand
 - (b) Tobacco and Indian Tobacco

- 4 (1) Write in detail about marine drugs used as antiviral agents. 7
(2) Give Biological source, method of preparation and uses of pepsin. 6

SECTION – II

- 5 Answer the following questions : (any two) 14
(1) Write pharmacognostic note on Ergot.
(2) Write botanical source, chemical constituents and uses of following :
(i) Ipecac
(ii) Polyploidy enhancers
(iii) Ordeal beans
(3) Write botanical source, chemical constituents and uses of following :
(i) Drug belongs to imidazole alkaloid
(ii) Drug of reduced pyridine class
(iii) Happy tree
- 6 (1) Write pharmacognostic note on cinchona bark. 7
(2) Write a short note on plant used as pesticides. 6
- 7 (1) Write botanical source, chemical constituents and uses of following : 7
(i) Withania
(ii) tylophora
(iii) kantkari
(2) Draw well labelled diagram of morphology and microscopy of vasaka leaf. 6
- 8 Answer the following :
(1) Write a short note on drug used in amoebic dysenteric condition. 7
(2) Write a detailed note on Opium. 6