



MCS-014-003809

Seat No. _____

M. P. M. (Sem. VIII) Examination

May / June - 2018

Pharmacognosy - VI

Faculty Code : 014

Subject Code : 003809

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 and clean diagrams as required.

SECTION - I

- 1** Answer any **seven** out of ten. **14**
- (1) Enlist different methods of extraction.
 - (2) Give working principle of UV visible spectroscopy.
 - (3) Give identification test for morphine.
 - (4) Define bitterness value. Give the name of reference substance to find out it.
 - (5) Define ash value. Give application of it.
 - (6) Give the isolation method of Menthol.
 - (7) Write B.S and mechanism of action of any two anti-asthmatic herbal drugs.
 - (8) How to standardize the amla extract?
 - (9) Write the application of GC-MS with reference of herbal drugs.
 - (10) Define GMP.
- 2** Answer the following questions :
- (1) Write about requirements of factory premises for Ayurvedic system of medicine as per schedule T. **7**
 - (2) Write in detail about preparation and standardization of garlic extract. **6**

- 3** Answer the following questions :
- (1) Write in detail about isolation, identification and analysis of Atropine. **7**
 - (2) Differentiate following : **6**
 - (a) Decoction and Percolation
 - (b) TLC and HPTLC

- 4** Answer the following questions :
- (1) Write in detail about NMR and IR for evaluation of herbal drugs. **7**
 - (2) Write short note on antidiabetic herbal drugs. **6**

SECTION – II

- 5** Answer any **two** out of three. **14**
- (1) Write a short note on phytopharmacovigilance.
 - (2) Write about isolation method and identification test for following :
 - (i) Diosgenine
 - (ii) Penicillin
 - (3) Write a short note on anticancer herbal drugs.

- 6** Answer the following questions :
- (1) Enlist evaluation parameters for phytopharmaceuticals. Write in detail about any two. **7**
 - (2) Write a short note on plant used as an immunomodulators. **6**

- 7** Answer the following questions :
- (1) Write preparation and standardization of following : **7**
 - (i) Ashwagandha extract
 - (ii) Turmeric extract
 - (2) Write about isolation and identification of Vitamin A and Artemisin. **6**

- 8** Answer the following questions :
- (1) Write a short note on Column chromatography for evaluation of herbal drugs. **7**
 - (2) Write a detailed note on ISO 9000 in herbal drug industries. **6**