



BBI-1612060701080600 Seat No. _____

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

July - 2021

Pharmacognosy - VII

Time : 3 Hours]

[Total Marks : 80

Instructions :

- (1) Figures to the right indicates marks.
- (2) Answer any three questions from each section.
- (3) Question no. 1 and Question no. 5 are compulsory.
- (4) Draw neat and clean diagram as required.

SECTION - I

- 1** Answer any **seven** out of **ten** : **14**
- (i) Write B.S of two herbs used as anti-asthmatics.
 - (ii) Explain decoction.
 - (iii) Describe chemical test for anthraquinone glycoside.
 - (iv) Explain Super Critical Fluid extraction.
 - (v) Describe enflurage method.
 - (vi) Mention natural sources for menthol.
 - (vii) Write applications of counter current extraction.
 - (viii) What is ISO 9000 ?
 - (ix) Write estimation of Vitamin A.
 - (x) Write identification test and uses of atropine.
- 2** (a) What are the macroscopic and microscopic procedures **7**
used with respect to leaves for standardization of
herbal drugs ?
- (b) Describe the following terms related to herbal extracts, **6**
with the help of proper diagrams: (i) Maceration
(ii) Percolation (iii) Soxhlet extraction.

- 3 (a) Write therapeutic significance, isolation method and qualitative identification and analysis of Cinchona alkaloids. 7
- (b) What is the method of preparation and evaluation of Garlic extract ? Also state its use. 6
- 4 (a) Mention natural sources of Sennosides. Describe a suitable method for isolation of Sennosides. 7
- (b) Explain various physical parameters used for evaluation of herbal drugs. 6

SECTION - II

- 5 Answer any **two** out of **three** : 14
- (a) Describe the method of preparation of standardized plant extract, chemical constituents and uses of Ashwagandha.
- (b) Discuss the natural sources, method of isolation and uses of Rutin.
- (c) Describe a suitable method for isolation of penicillin.
- 6 (a) Name different herbs and their active constitute which are useful as Anticancer or Hypoplipidemic. 7
- (b) Mention different parameters required for standardization of Amla extract & discuss them in detail. 6
- 7 (a) Write a note on Quality control requirements and distribution of records for Ayurvedic, Unani and homeopathic medicine as per Schedule-T. 7
- (b) Write a role and use of herbal Anti-diabetic drugs in modern therapeutic management. 6
- 8 (a) Discuss in brief concept of GMP in herbal drug industry. 7
- (b) Discuss the application HPTLC and GCMS in analysis of Phytopharmaceuticals. 6