



M-1612060701040600 Seat No. _____

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

May / June - 2018

Pharmacognosy - III

Time : 3 Hours]

[Total Marks : 80

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

SECTION - I

- 1** Answer the following questions : (any **seven**) **14**
- i. Define the term Resin.
 - ii. Comment on "Liquorice gives pink colour with 80% H_2SO_4 ".
 - iii. Differentiate cardenolides and bufadienolides.
 - iv. Give Chemical tests used to identify cyanogenetic glycosides and flavonoids.
 - v. Differentiate Black mustard and white mustard.
 - vi. Explain modified borntrager test with principle.
 - vii. Justify - "Asafoetida gives combined umbelliferone test."
 - viii. Why cascara bark is to be stored one year prior to use ?
 - ix. Write B.S. and uses of salix.
 - x. Comment on "Quassia is a porous wood".
- 2** a) Write a pharmacognostic note on a drug used as Female Tonic. **7**
- b) Give morphological and microscopical differences between Nerium and Thevetia. **6**
- 3** a) Write B.S., Family, Chemical constituents, uses and purification method of Bhilama. **7**
- b) Write a detailed pharmacognostic note on a bark drug used as cardiotonic. **6**

- 4 a) Differentiate the followings : 7
i. Chhota Gokhru and Bada Gokhru
ii. Siam Benzoin and Sumatra Benzoin.
b) Write B.S., family, Chemical composition and uses 6
of Guggul.

SECTION - II

- 5 Answer the following questions : (any two) 14
a) Define Glycosides and classify them by giving suitable examples.
b) Write B.S., family, chemical constituents, uses and identification tests of Turmeric.
c) Enlist various sources of Aloe. Describe their method of preparation.
- 6 a) Write on adulterants and substituents of Fox 7
glove leaf.
b) Write a note on coumarin glycoside containing drug 6
used as liver tonic.
- 7 a) Enumerate Bitter glycoside containing drugs. 7
Explain in detail any two.
b) Discuss at length on a drug known as Manroot. 6
- 8 a) Discuss morphological characters and uses of *Ruta graveolens* and *Butea monosperma*. 7
b) Write B.S., family, chemical constituents and uses 6
of Ginger.
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