



PAM-014-003809

Seat No. _____

M. P. M. (Sem. VIII) (W.E.F. 2014-2015 and 2015-2016)

Examination

August - 2020

Pharmacognosy : Paper - 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) Differentiate Maceration and Decoction.
 - (2) Why the green colour is produce in Phenol sulphuric acid reagent method for estimation of total carbohydrate in herbal drug?
 - (3) Give identification test for Atropine.
 - (4) How to find out Acceptable residual limits (ARL) of pesticides?
 - (5) Define foaming index. This test is used to identify which constituent?
 - (6) Give two anti-hyperlipidemic herbal drugs with mechanism of action.
 - (7) Define ISO. Give its important.
 - (8) How to isolate Curcumin?
 - (9) Describe in brief about TLC.
 - (10) Define Ash Value. Give application of it.

- 2** Answer the following questions :
- (1) Enlist evaluation parameter of phytopharmaceuticlas. **7**
How to find out swelling and Haemolytic index?
 - (2) Define standardization. Write in detail about **6**
preparation and evaluation of Garlic Extract.
- 3** Answer the following questions :
- (1) Explain the term GMP. Write in detail about **7**
schedule T.
 - (2) How to isolate Menthol from Mentha leaves? **6**
Give its identification test and analysis.
- 4** Answer the following questions :
- (1) Write in detail about Folin ciocalteu reagent **7**
method for estimation of total phenolic content of herbal
drug. Why this method is known as Gallic acid equivalent
method?
 - (2) Discuss principle, instrumentation and application **6**
of HPTLC for analysis of herbal drug.

SECTION-II

- 5** Answer any **Two** out of Three : **14**
- (1) Write note on recent development of natural products
used as (1) Antiasthmatic agent (2) Anti diabetics.
 - (2) Write about isolation, identification and analysis of
Quinine.
 - (3) What is hot percolation method? Explain in detail with
diagram.
- 6** Answer the following questions :
- (1) Describe in detail about isolation of Glycyrrhetic acid. **7**
Give its identification test.
 - (2) Write a short note on Anticancer herbal drugs. **6**

- 7** Answer the following questions :
- (1) Give isolation method of Caffeine and Streptomycine. **7**
 - (2) Write in detail about establishment of ISO9000 in herbal drug industry. **6**
- 8** Answer the following questions :
- (1) Write a short note on herbal drug used as Hepatoprotective agents. **7**
 - (2) Write a detailed note on Gas chromatography as tool for analysis of herbal drugs. **6**
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