

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-2)

PHARMACOGNOSY-II

Subject Code : PHM-122

M.Code : 46114

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

SECTION-A**1. Write short notes on :**

- a) What are Resins and Resin combinations?
- b) Write down biological source and uses of **PODOPHYLLUM**.
- c) Write chemical constituents of **CANNABIS**.
- d) Write down biological source and chemical constituents of **MYROBALAN**.
- e) Describe Enfluerage method of extraction of volatile oil.
- f) Write down biological source and uses of **NUTMEG**.
- g) Give chemical tests for identification of **Flavonoids**.
- h) Differentiate between absorbent cotton and non absorbent cotton.
- i) Write down biological source and chemical constituents of **LEMONGRASS**.
- j) Give tests for identification of **POLYESTER**.
- k) Give chemical composition of **KAOLIN**.
- l) Write down biological source and uses of **CLOVE**.
- m) Write down biological source and uses of **MYRRH**.
- n) Differentiate between **Mentha** and **Spearment**.
- o) Write down biological source and uses of **Balsam of Peru**.

SECTION-B

2. Write down biological source, chemical constituents and uses of CINNAMON.
3. Describe method of preparation of extract for identification of alkaloids. Write various chemical tests for screening of alkaloids.
4. Give a detailed pharmacognostic account of TURMERIC.
5. What are Pharmaceutical Aids? Write a note on Gelatin.
6. What are Tannins? Give a detailed pharmacognostic account of GALL.

SECTION-C

7. Write short notes on :
 - a) Natural colours 5
 - b) COLOPHONY 5
8.
 - a) Discuss the role of column chromatography in isolation of constituents of crude extract. 5
 - b) Give chemical tests for screening of amino acids, polyphenols and cyanogenic glycosides. 5
9.
 - a) Write a note on SILK. 5
 - b) Give a detailed pharmacognostic account on CARAWAY. 5
10. Write down source, chemical composition and uses of following :
 - a) GAMBIR 4
 - b) CARDAMOM 3
 - c) TALC 3

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.