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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2011 to 2016) (Sem.-1)**PHARMACOGNOSY-I****Subject Code : BPHM-101****M.Code : 46201****Time : 3 Hrs.****Max. Marks : 80****INSTRUCTION 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. Answer briefly :**

- a) What are the different sources of drugs studied in Pharmacognosy?
- b) Give complete biological sources of 2 drugs of animal origin.
- c) What is the difference between wood and bark?
- d) What are organized and un-organized drugs?
- e) Give 4 requirements for plant tissue culture.
- f) Give 2 advantages of cultivation of medicinal plants.
- g) What are true and pseudo alkaloids?
- h) Give the basic structure of cardiac glycosides.
- i) How can you identify steroids in a given sample of crude drug?
- j) If a sample of black pepper contains papaya seeds, what type of adulteration is this?
- k) Give the biological source and uses of a flavonoid containing plant.

- 1) Give source and uses of two drugs of mineral origin.
- m) Give 2 applications of TLC.
- n) What is the advantage of organoleptic evaluation of crude drugs?
- o) Give the sources and uses of 2 members of family Apocynaceae.

SECTION-B

2. '*Pharmacognosy is a multi-disciplinary subject*'. Justify this statement.
3. What is chromatography? How are chromatographic techniques classified?
4. What are glycosides? How can you isolate glycosides from plants?
5. Describe how should plant drugs be collected and dried.
6. What is the importance of plant drug monographs?

SECTION-C

7. What is adulteration of crude drugs? How can adulteration be detected? Explain with suitable examples.
8. What are terpenoids? How are they classified?
9. What are the different factors that affect quality of medicinal plants?
10. Give the important features of family Umbelliferae. Discuss its commercial and medicinal importance.

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.