

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-6)

PHARMACOGNOSY V CHEMISTRY OF NATURAL PRODUCTS

Subject Code : PHM-365

Paper ID : [D0131]

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**Q1. Answer briefly :**

- a) Draw structure of diosgenin.
- b) Give the source of streptomycin.
- c) Draw the structure of reserpine.
- d) Give two tests for detection of alkaloids.
- e) Give the source and uses of hecogenin.
- f) What are sesquiterpenes?
- g) Write the uses of digitoxin.
- h) Define antibiotics.
- i) What is isoprene rule?
- j) Write source and uses of menthol.
- k) Write the source and uses of ergot.

- l) Define quassinoids.
- m) Write the importance of vitamin A.
- n) What are saponins?
- o) What are lignans?

SECTION-B

- Q2. Write note on anthraquinone glycosides.
- Q3. Discuss the structure of penicillins.
- Q4. How can you classify alkaloids?
- Q5. What are racemic mixtures? Discuss with examples.
- Q6. Discuss the chemistry of morphine.

SECTION-C

- Q7. What are glycosides? Write a note on flavonoids.
- Q8. Discuss the structures and activity of ephedrine.
- Q9. Write a note on digoxin.
- Q10. What are carotenoids? Discuss their medicinal importance.