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Total No. of Pages : 02

Total No. of Questions : 24

B.Pharma (2012 to 2016) (Sem.-6)

PHARMACOGNOSY-V

Subject Code : BPHM-604

M.Code : 71036

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**Answer the following :**

- Q1. Draw structure of diosgenin.
- Q2. Give the source and uses of penicillin.
- Q3. Draw the structure of reserpine.
- Q4. Write tests for detection of alkaloids.
- Q5. What is Keller-Kiliani test?
- Q6. What are saponins?
- Q7. Write source of menthol.
- Q8. What is nitrogen rule?
- Q9. Draw structure of rutin.
- Q10. What are sennosides?
11. What are enantiomers?

Q12. Give the source of hecogenin.

Q13. What is isoprene rule?

Q14. What are lignans?

Q15. Write the source and uses of ergot.

SECTION-B

Q16. Discuss the structure elucidation of Vitamin A.

Q17. Discuss the structure of tetracycline.

Q18. Give classification of terpenoids?

Q19. What are racemic mixtures?

Q20. What are quassinoids?

SECTION-C

Q21. What are glycosides? Write a note on the chemistry and medicinal uses of digoxin.

Q22. Discuss the structures and activity of morphine.

Q23. Write a note on flavonoids.

Q24. Discuss different spectroscopic techniques to study natural products.

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