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Total No. of Pages : 02

Total No. of Questions : 22

B.Pharma (2017 Batch) (Sem.-4)

**PHARMACOGNOSY & PHYTOCHEMISTRY-I**

Subject Code : BP-405T

M.Code : 75847

Time : 3 Hrs.

Max. Marks : 75

**INSTRUCTIONS TO CANDIDATES :**

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

**SECTION-A****Answer briefly :**

1. Give biological sources of any two drugs obtained from animal source.
2. Distinguish between gums and mucilages.
3. Give chemical tests for identification of CARDIAC GLYCOSIDES.
4. Define STOMATAL NUMBER and STOMATAL INDEX.
5. Write down functions of GIBBERELLINS.
6. Define the term POLYPLOIDY.
7. Classify TANNINS.
8. Describe the term MICROPROPAGATION.
9. Write biological source and chemical constituents of TRAGACANTH.
10. Write biological source and uses of CHAULMOOGRA OIL.





**SECTION-B**

11. a) What are ALKALOIDS? Classify them. Give tests for identification of alkaloids.  
b) Write a short note on HALLUCINOGENS.
12. Explain physical methods of evaluation of crude drugs.
13. a) Describe extrinsic factors influencing cultivation of medicinal plants.  
b) Write a short note on EDIBLE VACCINE.

**SECTION-C**

14. Discuss historical background of Pharmacognosy.
15. Explain chemical classification of crude drugs.
16. What are Plant hormones? Give applications of AUXINS.
17. Describe different types of cultures.
18. Discuss the role of pharmacognosy in allopathic system of medicine.
19. What are FLAVONOIDS? Classify them. Give identification tests of flavonoids.
20. Write a detailed note on COTTON.
21. Write sources, method of preparation and uses of PAPAIN.
22. Write a short note on Novel medicinal agents from marine source.

**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.**

