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Total No. of Pages : 02

Total No. of Questions : 13

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 student has to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.

SECTION-A**Q1. Answer briefly :**

- a) Define the term Pharmacognosy.
- b) What are organized and unorganized drugs? Give one example for each.
- c) Define Adulteration.
- d) Give two examples of drugs, with complete source, of marine origin.
- e) Define Hybridization and Polyploidy.
- f) Give two functions of ethylene.
- g) What are Elicitors? Give two examples.
- h) What are cardenolides and bufadienolides? Highlight the differences between them.
- i) What are proto- and pseudo-alkaloids? Give example for each.
- j) Draw the basic structure of flavonol and flavanol.



SECTION-B

- Q2. Write an informative note on :
- a) Cotton
 - b) Resins
- Q3. Discuss in detail on callus and suspension cultures.
- Q4. Why conservation of Medicinal plants is important? Elaborate on various strategies for conservation of medicinal plants.

SECTION-C

- Q5. What are edible vaccines? Write their advantages and challenges faced during their preparation.
- Q6. Write a brief note on plant hallucinogens.
- Q7. Discuss different types of adulteration with suitable examples.
- Q8. Enlist various factors that affect cultivation of medicinal plants. Discuss in detail how temperature, altitude and rainfall effect the growth of medicinal plants.
- Q9. Discuss about auxins their types and role in plant growth.
- Q10. Write the source, chemical constituents and uses of casein and bees wax.
- Q11. Write the source, preparation and uses of papain.
- Q12. What are Tannins? Write their properties and classification with examples.
- Q13. Define Stomatal Number and Stomatal Index. Also discuss lycopodium spore method and its application.

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.