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Roll No.....

PY-604 (GS)

B.Pharmacy VI Semester Examination, June 2020

Grading System (GS)

Pharmacognosy - IV

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. Write the application of plant tissue culture in production of secondary metabolite with suitable examples.

2. Describe the biological sources, identification tests and pharmaceutical importance of the following;
   a) Morphine
   b) Vincristine
   c) Ephedrine
   d) Atropine

3. a) Explain the growth and maintenance in PTC.
   b) Write a note on mentha oil.

4. Write notes on:
   a) Marine Toxins
   b) Anti-Inflammatory agents from marine sources.

5. Give an account of HPLC technique and discuss it's application in evaluation of herbal drugs.

   OR

   What are the applications of UV Spectroscopy in Identification of Phytochemicals?

6. a) Describe two drugs used in hair care cosmetics.
   b) What are the standards for hair care cosmetics?

7. a) Give the method of production of Sandalwood oil.
   b) What are the uses of Lemongrass oil and Clove oil?

8. Answer any two of the following:
   a) Discuss about natural dye
   b) Explain immunomodulators
   c) Discuss various types of culture
   d) Adaptogen's and their applications.

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