**B. Pharm 4th Semester Examination**

**Subject- Pharmacognosy and Phytochemistry-I (BP405T)**

**Full Marks- 75 Time – 3 hours**

**Answer all the questions.**

**1. Answer all (10x2=20)**

(a) What is the principle of pharmacological classification?

(b) What do you mean by palisade ratio?

(c) What is the characteristic feature of Diacytic Stomata?

(d) What are the main functions of Gibberellins?

(e) What are the organic supplements of plant tissue culture medium?

(f) Name the five elements or “Panchamahabhuta” according to Ayurvedic system of medicine.

(g) Give examples of Pseudotannins.

(h) Write the biological source of Acacia.

(i) Write the chemical constituents of Honey.

(j) Write the uses of Chaulmoogra oil.

**2. Answer any two questions. (2x10=20)**

(a) How the drugs of natural origin are classified? Explain taxonomical and chemotaxonomical classification of drugs with examples.

(b) Describe the various factors influencing the cultivation of medicinal plants. Give a brief account on natural pest control agents.

(c) Classify alkaloids with examples. Write down the properties and identification tests of alkaloids.

**3. Answer any seven questions. (7x5=35)**

(a) Briefly discuss the scope and development of Pharmacognosy.

(b) Differentiate organized and unorganized drugs.

(c) Explain the microscopic evaluation of drugs of natural origin.

(d) Explain the principles of Siddha system of medicine.

(e) Explain the properties of resins.

(f) Write down the pharmacognostic features of Gelatin.

(g) Write short-note on polyploidy.

(h) Write short-note on edible vaccines.

(i) Write short-note on Hallucinogens.