

**II B.Pharmacy I Semester Supplementary Examinations, Oct/Nov - 2017**

**PHARMACOGNOSY – I**

**Time: 3 hours**

**Max. Marks: 70**

Note: 1. Question Paper Consists of two parts (**Part-A** and **Part-B**)

2. Answering the question in **Part-A** is Compulsory

3. Answer any **THREE** Questions from **Part-B**

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**PART-A**

1. (a) Give the examples of microorganisms as a source of natural drugs.
- (b) How to classify chemical classification of plants with examples?
- (c) Define polyploidy and its importance.
- (d) Define adulteration. List out the types of adulteration.
- (e) Write biological source and chemical constituents and uses of guar gum.
- (f) What are the chemical tests used for identification of volatile oils?

[3+3+4+4+4+4]

**PART-B**

2. (a) Write in detail about mineral and marine source of drugs with examples.
  - (b) Explain the Tridhoshic concept in Ayurvedic system of medicines.
- [8+8]
3. (a) Define crude drugs and classify them. Give the details of merits and de merits of pharmacological and chemical classification with examples.
  - (b) Write short note on chemo taxonomical method of classification.
- [10+6]
4. (a) Explain the strategies of obtaining improved cultivation of medicinal plants.
  - (b) What is hybridization technique adopted to improve cultivation of medicinal plants?
- [10+6]
5. (a) How adulterants are detected by organoleptic and biological methods in evaluation of crude drugs?
  - (b) Explain in detail chemical method of evaluation of crude drugs.
- [12+4]
6. Write biological source, chemical constituents, chemical tests and uses of following crude drugs  
i) acacia ii) starch iii) honey iv) agar
- [4+4+4+4]
7. Write biological source, chemical constituents, chemical tests and uses of following crude drugs  
i) cinnamon ii) fennel iii) shark liver oil iv) cocoa butter
- [4+4+4+4]