

**RGPVONLINE.COM****PY - 204****B.Pharmacy II Semester**

Examination, December 2015

**Pharmacognosy - I***Time : Three Hours**Maximum Marks : 70*

**Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each questions are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Explain Hypogynous thalamus and Zygomorphic flower.
- b) Name three medicinal plants belonging to family Papaveraceae.
- c) What diagnostic features will you take into account while identifying a plant of Liliaceae family?
- d) Describe diagnostic characteristics, floral diagram, floral formula with important medicinal plants and uses of Solanaceae family.

OR

Describe diagnostic characteristics, floral diagram, floral formula with important medicinal plants and uses of Umbelliferae family.

2. a) Define Pharmacognosy.
- b) Write Alternative system of classification.
- c) Describe merits and demerits of morphological and chemical classification of crude drugs.

- d) Write history, scope and development of Pharmacognosy.
- OR

Write in detail taxonomical and pharmacological classification of crude drugs.

3. a) What is pests and pests control?
- b) Write about processing and storage of crude drugs.
- c) Write a note on natural and artificial drying of crude drugs.
- d) Describe in brief factors affecting cultivation of medicinal plants.

OR

Discuss in detail various pest controlling techniques.

4. a) What do you mean by quality control of crude drugs?
- b) Write a note on quantitative microscopy.
- c) Describe various types of adulteration of crude drugs.
- d) Enumerate various methods of evaluation of crude drugs with special emphasis on biological and chemical evaluation.

OR

Give complete pharmacognostical account of Bael and Tragacanth.

5. a) Write biological sources and uses of castor oil and cocoa butter.
- b) Write a note on plant and animal fibers.
- c) Define pharmaceutical aids. Give applications of kaolin and asbestos.
- d) What are tannins? Give general properties, classification and analytical parameters of it.

OR

Define and classify resins. Give pharmacognostical account of Turmeric and Podophyllum.

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