

FACULTY OF PHARMACY

Pharm D (6–YDC) II – Year (Main & Backlog) Examination, July 2018

Subject: Pharmacognosy & Phytopharmaceuticals

Time: 3 Hrs

Max.Marks: 70

Note: Answer all questions from Part – A. Any Five questions from Part – B.

PART – A (10x2 = 20 Marks)

- 1 Mention the biological role of proteins.
- 2 List t different extraction methods of fixed oil. Explain any one.
- 3 Write a note on:
 - i) Scarcification
 - ii) Isoelectric point
- 4 Mention any two general identification tests for alkaloids.
- 5 Write abt carbohydrate derived products with examples.
- 6 Mention the biological srce and uses of cod liver oil.
- 7 List t different types of vegetat ive propagation of crude drugs with examples.
- 8 Define adulteration. What are different methods of evaluation of crude drugs?
- 9 Write abt:
 - a) Shinoda test
 - b) Enfleurage
- 10 What are “Bitters”? Give examples.

PART – B (50 Marks)

- 11 a) Write a note on factors affecting cultivation of crude drugs with example. 6
 b) Discuss morphological and taxonomical method of classification of crude drugs with examples. 4
- 12 a) Define acid value. Give the principle, significance and method to determine. 6
 b) Differentiate fixed oil and volatile oil. 4
- 13 a) Explain briefly “lignin and pectin” as cell wall constituents. 6
 b) Define and classify glycosides with examples. 4
- 14 a) Discuss the structure of protein. 6
 b) List t different methods of adulteration with examples. 4
- 15 Explain different methods of plant breeding with their application. 10
- 16 Explain the microscopical characters of:
 - i) Cassia 5
 - ii) Coriander 5
 with neat labelled diagram.
- 17 a) Define and classify natural fibres used in surgical dressings. Give the biological srce, chemical constituents and uses of cotton. 6
 b) Write abt “Neem” as a pesticide.
- 18 Write the biological srce, chemical constituents and uses of
 - i) Tragacanth
 - ii) Asafoetida
 - iii) Cardamom
