

FACULTY OF PHARMACY
Pharm. D (6 YDC) II-Year (Instant) Examination, March 2018

Subject : Pharmacognosy and Phytopharmaceuticals

Time : 3 Hrs**Max. Marks: 70**

Note: Answer all questions from Part – A, answer any five questions from Part-B.

PART – A (10 x 2 = 20 Marks)

- 1 Define the term (a) Pharmacognosy (b) Substitute
- 2 Write abt morphological classification with examples.
- 3 Differentiate fixed oil and volatile oil.
- 4 Explain the cell wall structure.
- 5 Write microscopical powder characters of senna.
- 6 Explain the isolation methods of resins.
- 7 Write abt :
 - (a) Van-Urk's test
 - (b) Salkowski test
- 8 Define saponification value and give its significance.
- 9 What are cyanogenetic glycosides? How do y identify them?
- 10 Write the biological srce and chemical constituents of sterculia gum.

PART – B (5 x 10 = 50 Marks)

- 11 Explain different methods of cultivation of crude drugs with their merits and demerits. (10)
- 12 (a) What are secondary metabolites? Give examples. (3)
(b) Write a note on glycosides. (7)
- 13 (a) Classify natural pesticides with examples. (4)
(b) Write the biological srce, chemical constituents and uses o f pyrethrum and Neem. (3+3)
- 14 (a) Explain different extraction methods of simple lipids. (5)
(b) Write a note on drying oils with examples. (5)
- 15 Write pharmacognostic scheme of (2x5)
 - (a) Rauwolfia
 - (b) Cardamom
- 16 (a) Define and classify tannins with examples. Write different characteristics tests of tannins. (6)
(b) write the biological srce and chemical constituents of (4)
 - (i) Benzoin
 - (ii) Spermaceti
- 17 Discuss protein structure. How do y determine it? (10)
- 18 (a) Write a note on plant fibres used in surgical dressings. (5)
(b) Explain the different methods of adulteration of crude drugs with examples and how do y prevent it? (5)
