

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]  
(2124)

1685

**B. Pharmacy 3rd Semester Examination**

**Pharmacognosy-II (OS)**

**HBP-205**

**Time : 3 Hours**

**Max. Marks : 80**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Attempt five questions in all, select one question from each sections A, B, C and D. Section E (question 9) is compulsory.

**SECTION - A**

1. (a) What are resins? Give classification, chemical tests and uses of resins. (2+2+2+2=8)
- (b) Give biological source, chemical constituents and uses of podophyllum and Asafoetida. (4+4=8)
2. What are tannins? Classify them. Give biological source, chemical constituents and uses of the Gambir and Myrobalan. (2+4+5+5=16)

**SECTION - B**

3. Write detail note on:
  - (a) Extraction and characterisation of volatile oils. (4+4=8)
  - (b) Mentha and sandal wood oil. (4+4=8)
4. Give biological source, chemical constituents and uses of (a) Cinnamon (b) Lemon grass (c) Coriander. (5+6+5=16)

**[P.T.O.]**

**SECTION - C**

5. Define extracts. Write various methods for the preparation of extracts. (2+14=16)
6. Write short note on:
- (a) Tannins and Polyphenols in plant extracts. (4+4=8)
  - (b) Screening of alkaloids.

**SECTION - D**

7. What do you understand by fibres? Write short note on wool and glass wool. (4+6+6=16)
8. Write detailed note on:
- (a) Natural colors (b) Talc (8+8=16)

**SECTION - E**

9. (i) Give chemical constituents of valerian. (2)
- (ii) What is the use of Cannabis? (1)
- (iii) What is asbestos? (2)
- (iv) Give structure of one arthaquinones glycosides. (2)
- (v) Give biological source and family of Dill. (1)
- (vi) Define alkaloids. (2)
- (vii) Cardamom belongs to the family..... (1)
- (viii) Absorbent cotton is prepared from non absorbent cotton by..... (1)
- (ix) What is Balsams? (2)
- (x) Give biological source and uses of Myrrh. (2)
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