



Printed Pages : 3

PHAR – 243

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 5106**

Roll No.

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**B. PHARM.**

**(SEM. IV) EXAMINATION, 2006-07**

**PHARMACOGNOSY - II**

*Time : 3 Hours]*

*[Total Marks : 80*

- Note:*
- (1) Attempt **all** questions*
  - (2) All questions carry **equal** marks*
  - (3) Illustrate your answers with the help of suitable diagram.*
  - (4) Be precise in your answers.*

**1** Attempt any **four** parts of the following : **4×4=16**

- (a) Write a note on narcotic products from cannabis
- (b) Define pathological resins. Give chemical tests for Benzoin
- (c) Give official source, preparation and chemical constituents of Ginger oleo-resin
- (d) Give official source of Shellac and Jalap
- (e) Write a note on chemical constituents and uses of podophyllum.

- 2** Attempt any **two** of the following: **8×2=16**
- (a) Define volatile oils. Give various methods for obtaining volatile oils
  - (b) Mention the names of two umbelliferous fruits yielding volatile oil. Give their official source and chemical constituents also
  - (c) Write official source, characters and chemical constituents of Clove and Nutmeg.
- 3** Attempt any **four** of the following : **4×4=16**
- (a) Explain :
    - (i) Borntrager's test and modified Borntrager's test
    - (ii) Keller-Killiani's test.
  - (b) Differentiate between Cardenolides and Bufadienolides
  - (c) Write a note on Leucoanthocyanidines
  - (d) Give various chemical tests for saponins and cyanogenetic glycosides
  - (e) Define alkaloids and discuss their general properties.
- 4** Attempt any **two** of the following: **8×2=16**
- (a) What are fibres ? Classify them on the basis of their origin. Give biological source and method of preparation for any one fibre of animal origin

- (b) Write notes on :
  - (i) Kaolin
  - (ii) Bentonite
- (c) Give source, preparation and chemical tests for Gelatin.

**5** Attempt any **two** of the following : **8×2=16**

- (a) Give official source, description, chemical constituents and tests for Black catechu
- (b) Write a note on utilization of aromatic plants
- (c) Give official source, chemical constituents and uses of Harde and Bahera.

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