

Printed Pages : 3



PHARM-243/PHAR-243

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

**PAPER ID : 150414**

Roll No.

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## B. Pharm.

(SEM. IV) THEORY EXAMINATION, 2014-15  
PHARMACOGNOSY - II

Time : 3 Hours]

[Total Marks : 80

**Note :** Attempt all questions. All questions carry equal marks.

1 Attempt any four of the following: **4x4=16**

- (a) Write biological source, chemical constituent and uses of Podophyllum.
- (b) Give the difference between Siam benzoin and Sumatra benzoin.
- (c) Write detail. notes on Cannabis.
- (d) Describe pharmacognosy of Turmeric.
- (e) Write about Shellac.

- 2 Attempt any four of the following : **4x4=16**
- (a) Discuss the general methods of obtaining volatile oil from plants.
  - (b) Write official source, microscopic characters and chemical constituents and uses of Fennel.
  - (c) Write pharmacognosy of Eucalyptus.
  - (d) Give biological source and chemical constituents of Caraway and Nutmeg.
  - (e) Write detail note on Clove.
- 3 Attempt any two of the following : **8x2=16**
- (a) Give properties and classification of alkaloids with example.
  - (b) (i) Differentiate between Cardenolides and Bufadienolides.  
(ii) Give ,chemical test for any two of the following.
    - (a) Saponin
    - (b) Cyanogenetic glycoside
    - (c) Leucoanthocyanidines
  - (c) Discuss about Isolation, chemical test, properties of Flavonoids.
- 4 Attempt any four of the following: **4x4=16**
- (a) Give method of preparation of Silk.
  - (b) Name any two natural colours. Give their sources and chemical constituents.

- (c) Write a short, note on Gelatin.
- (d) Write the chemical composition of the following:
  - (a) Diatomite
  - (b) Bentonite
- (e) Differentiate between Raw cotton and Absorbent cotton.

5 Attempt any two of the following: **8x2=16**

- (a) Differentiate between Harde and Bahera.
  - (b) Discuss utilization of Lemongrass oil and Mentha oil.
  - (c) Give official source, chemical constituents and uses of Ashoka and Arjuna.
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