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Total No. of printed pages = 4

PY 132205

Roll No. of candidate

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2017

**B. Pharm 2nd Semester End-Term Examination**

**PHARMACOGNOSY - II**

Full Marks-100 Pass Marks-35 Time-Three hours

The figures in the margin indicate full marks  
for the questions.

1. Answer any *five* from the following : 2×5=10

- (a) What are Schizogenous and Lysochizogenous resin ducts ?
- (b) Name two plants belonging to Graminae family.
- (c) Define pericarp and mesocarp.
- (d) Name two lignin derivatives from Podophyllum.
- (e) What are the procedures for volatile oil extraction ?
- (f) Give one identification test for turmeric.

[Turn over

2. Fill up the blanks :  $2 \times 5 = 10$

(a) \_\_\_\_\_ stomata are present in Cannabis and it shows psychotropic activity due to the presence of \_\_\_\_\_.

(b) Red colouring agent present in Capsicum are \_\_\_\_\_ and \_\_\_\_\_.

(c) Jalapurgin is a complex mixture of \_\_\_\_\_ and \_\_\_\_\_ acid.

(d) \_\_\_\_\_ is the synonym for Chenopodium oil and it is having very valuable \_\_\_\_\_ activity.

(e) Cymbopogon \_\_\_\_\_ and C. \_\_\_\_\_ are the two species represents Lemon grass and Citronella respectively.

3. Differentiate the following ( any five ) :  $2 \times 5 = 10$

(i) Microscopy of Fennel and Caraway

(ii) Pale Catechu and Black Catechu

(iii) Sumatra Benzoin and Siam Benzoin

(iv) Oleoresin and Oleogum resin

(v) Hydrolysable tannin and Condensed tannin

(vi) Cinnamon Bark and Cassia Bark.

4. Answer any *eight* from the following :  $8 \times 5 = 40$

(i) Briefly explain Soxhlet extraction technique.

(ii) Explain Homeopathy as traditional system of medicine.

(iii) Describe the method of preparation of Asava and Arishta.

(iv) Name two plant bitters with their biological source, chemical constituents and uses.

(v) What is Goldbeater's skin test ? Give two examples of pseudotannins.  $3+2=5$

(vi) Classify volatile oil and give at least one example from each class.

(vii) Write down the cultivation collection procedures of Cannabis.

(viii) Name the constituents of Ginger responsible for its aroma and pungency. Give macroscopy of Ginger.  $2+3=5$

(ix) Give biological source, chemical constituents and uses of Myrrh and Myrobalan.

5. Answer any *three* from the following :

3×10=30

(a) What is Resin ? Write its classification and properties ? Give detail microscopy of Podophyllum with neat diagram.

1+2+2+5=10

(b) Explain the detail Pharmacognosy of Cinnamon and Valerian.

5+5=10

(c) What is Ayurveda ? Write about Ayurvedic system of medicine.

1+9=10

(d) Write short notes on :

2×5=10

(i) Different methods of extraction

(ii) Plant sweetner.