

Total number of printed pages – 7 **B. Pharm**

PH. 2.7 (New & Old)

Second Semester Examination – 2008

PHARMACOGNOSY – II

Full Marks – 70

Time : 3 Hours

Answer questions either from New or Old syllabus but not from both.

(NEW SYLLABUS)

*Answer Question No. 1 which is compulsory and any **five** from the rest.*

The figures in the right-hand margin indicate marks.

1. Answer the following questions : 2 × 10
- (a) Define 'resins'.
- (b) Cannabis contains tannin as active constituents. Comment.



- (c) Gall contains resins as active constituents. Comment.
- (d) Cardamom does not contain volatile oil. Comment.
- (e) Volatile oils are usually extracted by simple distillation. Comment.
- (f) Terpenoids are not present in volatile oils. Comment.
- (g) Nylon is a natural fibre. Comment.
- (h) What is talc ?
- (i) Chenopodium contains natural colour. Comment.
- (j) Explain the uses of turmeric.

P.T.O.

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Contd.

2. Write in detail about the source, properties and uses of : 5+5

(a) Ginger

(b) Colophony.

3. Explain about tannis, their sources and their uses in pharmacy. 10

4. What are volatile oils ? What are their chemical constituents and uses ? 10

5. Describe the general methods of extraction of volatile oils. How are they purified ? 10

6. Write short notes on : 5+5

(a) Natural allergens

(b) Antioxidants from plant origin.

7. Mention the different kinds of fibres obtained from different sources ? How is silk produced commercially ? 10

8. Write short notes on the pharmacognosy of the following : 5+5

(a) Gelatin

(b) Saffron.

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Contd.

(OLD SYLLABUS)

*Answer Question No. 1 which is compulsory and any **five** from the rest.*

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1. Answer the following questions : 2 × 10
- (a) Name the colouring principles present in turmeric.
 - (b) Give the chief chemical constituents and uses of cannabis.
 - (c) What is umbelliferone test and what for it is used ?
 - (d) Name the pungent principles of capsicum.
 - (e) What is Bortrager's test and how it differs from Modified Bortrager's test ?
 - (f) Give two chemical tests used for detection of flavonoids in plant extracts.

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- (g) Give the chief active constituents and uses of fennel.
- (h) Give the official source and chemical constituents of musk.
- (i) Give the official source and uses of two natural colours from plant origin.
- (j) Define the term 'Balsams'.

2. Define and classify resins. Give the biological source, cultivation, collection, chemical constituents, chemical tests and uses of Ginger. 3+7

3. Give the biological source, chemical constituents, chemical tests and uses of 5+5
- (a) Black catechu
 - (b) Myrobalan.

4. Give the complete pharmacognostic studies on clove. 10

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Contd.

5. What do you mean by phytochemical screening ? Write in detail about the methods used for extraction of phytoconstituents. 2+8
6. Define fibres. Give the biological source, chemical constituents, chemical tests and uses of
5+5
- (a) Cotton
- (b) Wool.
7. Write notes on pharmaceutical aids. 10
8. (a) Describe the general methods used for isolation of volatile oils from plant origin. 5
- (b) Give the biological source, chemical constituents and uses of podophyllum. 5

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