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**Code : 091303**

**B.Pharm 3rd Semester Examination, 2016**

**PHARMACOGNOSY-II**

*Time : 3 hours*

*Full Marks : 70*

**Instructions :**

*(i) The marks are indicated in the right-hand margin.*

*(ii) There are Nine questions in this paper.*

*(iii) Attempt Five questions in all.*

*(iv) Question no. 1 is compulsory.*

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1. Choose the correct option (any seven):  $2 \times 7 = 14$

(a) Resins containing benzoic acid of cinnamic acids are called as :

(i) Oleoresins

(ii) Glycoresins

(iii) Oleogum

(iv) Balsam ✓

(b) Family of drug Zingiber officinale:

(i) Solanaceae

(ii) Umbelliferae

(iii) Zingiberaceae ✓

(iv) Convolvulaceae

P.T.O.

(c) Pungency of capsicum is destroyed by boiling it with:

- i. 2% hydrochloric acid
- ii. 1% sulphuric acid
- iii. 2% Acetic acid
- iv. potassium hydroxide.

(d) The major terpenoid in clove oil:

- i. Eugenol ✓
- ii. Santalol
- iii. Anethol
- iv. Menthol

(e) Which is not an example of ester volatile oil?

- i. Gaultheria
- ii. Lavender
- iii. Mustar
- iv. Cinnamon ✓

(f) Example of alcohol volatile oil:

- i. Peppermint ✓
- ii. Cinnamon
- iii. Lemon peel
- iv. Orange peel

(g) Biological source for Nutmeg:

- i. foeniculum vulgare
- ii. Coriandrum sativum

iii. Myristica fragrans

iv. Elettaria cardamom

(h) Drug is not an example of phenol volatile oil:

i. Clove

ii. Anise

iii. Creosote

iv. Thyme

(i) The chief active constituent of fennel:

i. Carvone

ii. Borneol

iii. Dill-Apiole

iv. Fenchone

(j) Goldbeater skin test is used for identification of:

i. Alkaloids

ii. Glycosides

iii. Tannins

iv. Resins

2. Write biological source, chemical constituents and uses of following: 7+7=14

(a) Podophyllum

(b) Benzoin

3. Write short notes on the following: 7+7=14

(a) Bentonite OR Talc

(b) Cannabis

4. Write biological source, chemical constituents and uses of the following: 7+7=14

(a) Cardamom

(b) Clove

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P.T.O.

5. (a) Define tannins. Give complete pharmacognosy of catechu. 6
- (b) Write biological source, chemical constituents and uses of following: 8
- i. Caraway                      ii. Sandal wood
6. (a) Write a note on therapeutic/commercial utilization of aromatic plants. 8
- (b) Give biological source, chemical tests and uses of Gelatin. 6
7. (a) Explain microscopy and uses of absorbant cotton. 7
- (b) Write exhaustive notes on any one natural colours. 7
8. (a) Give biological source, morphological characters and chemical constituents of one drug used in cardiac disorder. 7
- (b) Give isolation method and chemical tests for flavonoids. 7
9. Give structural difference and differentiating Qualitative chemical tests of Cardinolides and Burifadienolides. 14

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