

# 0807

15116

**3 Hours / 80 Marks**

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.  
(2) Answer each next main Question on a new page.  
(3) Illustrate your answers with neat sketches wherever necessary.  
(4) Figures to the right indicate full marks.  
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Attempt any TEN of the following : 20
- Define crude drug. Write two examples of crude drugs obtained from natural source.
  - What are enzymes ? Write two examples.
  - Name the two crude drugs which are used as -
    - Coloring agent
    - Sweetening agent
  - Who is described as “FATHER OF MEDICINE” ? Why ?
  - Which part of the plant is used as crude drugs in case of the following ?
    - Black pepper
    - Ajowan
    - Picrorrhiza
    - Dioscorea

P.T.O.

- f) Why saponin glycosides are not safe for intravenous administration ? Explain.
- g) Which drug is found to contain ?
  - (i) Ferulic acid
  - (ii) Hydrocarpic acid
  - (iii) Vascicinone
  - (iv) Ascorbic acid
- h) Name the drugs having following synonym.
  - (i) Puncture Vine
  - (ii) Crow fig
  - (iii) Insect flower
  - (iv) Marihuana
- i) What is Ayurveda ? Describe contribution of “Sushrut”
- j) Differentiate between organised and unorganised drugs.
- k) Write biological source and uses of lemongrass oil.
- l) Describe morphological characters of Hyocyamus with diagram.

**2. Attempt any THREE of the following :**

**12**

- a) Draw well labelled diagram of transverse section of Nux Vomica and describe the same.
- b) What is evaluation of crude drug ? Describe Ash value as a criteria in evaluation.
- c) Mention six methods of classification of crude drugs. Write advantages and disadvantages of taxonomical method of classification.
- d) What are barks ? Describe three methods of collection at barks.

**3. Attempt any THREE of the following :** **12**

- a) What are balsams ? Give one chemical test for identification of balsum containing cinnamic acid. Write its biological source.
- b) What are sutures ? Write ideal properties of sutures.
- c) Define each of the following with example.
  - (i) Antiseptic
  - (ii) Substitute
  - (iii) Carminative
  - (iv) Astringent
- d) Name two drugs containing following chemical group or structure.
  - (i) Tropaine alkaloid
  - (ii) True tannins
  - (iii) Cyanogenitic glycosides
  - (iv) Natural wax

**4. Attempt any THREE of the following :** **12**

- a) Define the following with examples. (Any two)
  - (i) Oxytocic
  - (ii) Anthelmintic
  - (iii) Galactogogue
- b) What are vitamins ? Describe biological source, chemical constituent and uses of any one crude drug containing vitamin.
- c) Describe life cycle of Ergot.
- d) Give biological source and chemical constituents of following drugs.
  - (i) Digitalis
  - (ii) Aloes
  - (iii) Cinnamon
  - (iv) Ephedra

- 5. Attempt any THREE of the following :** **12**
- a) Describe important characteristic of four adulterants of 'Clove.'
  - b) What is nutmeg mace ? Describe chemical constituents and uses of it.
  - c) As a technical product write uses of gelatin and pectin.
  - d) Differentiate between Raw cotton and surgical cotton.
- 6. Explain any TWO chemical tests each of any THREE of the following crude drugs.** **12**
- a) Myrrh
  - b) Honey
  - c) Gelatin
  - d) Castor oil
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