

23242

3 Hours / 80 Marks



20113

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) Assume suitable data, if necessary.
  - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

**1. Attempt any SIX of the following:**

**30**

- a) Explain pharmacological system of classification of crude drug with merits and demerits.
- b) Define drug evaluation. Enlist different microscopical evaluation parameters. Explain any three leaf constants used for evaluation of leaf.
- c) Write biological source, chemical constituents and uses of Black pepper and Rauwolfia.
- d) Define oxytocic drug. Give synonym B.S. chemical constituent and uses of Ergot.
- e) Enlist different traditional system of medicine and describe in brief Ayurveda system of medicine.
- f) Define and classify Nutraceuticals with examples. Give any four therapeutic applications of nutraceuticals.
- g) Give biological source, chemical constituent, commercial preparation, therapeutic and cosmetic use of Sandalwood oil.

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

**30**

- a) Define pharmacognosy, who, when coined the term pharmacognosy?
- b) Define drug adulteration. Describe any two methods of drug adulteration with example.
- c) Define volatile oil. Describe any two isolation methods of volatile oil.
- d) Define antidiabetic drug. Write biological source, chemical constituent of gymnema.
- e) Write names of drug having following chemical constituents.
  - i) Fenchone
  - ii) Emetine
  - iii) Quinine
  - iv) Caffeine
  - v) Catechine
  - vi) Papain
- f) Name the drug which gives following test positive
  - i) Match stick test
  - ii) Modified bortrager test
  - iii) Killer-Killani-test
- g) Write chemical constituents and uses of
  - i) Isapghula
  - ii) Vinca
  - iii) Vasaka
- h) Give ideal properties of surgical dressing.

P.T.O.



- i) Explain role of medicinal and aromatic plants in national economy.
- j) Define and classify herbal formulations with suitable examples.
- k) Define phytoconstituents and describe general test for identification of alkaloids. (any two)

3. **Attempt ALL of the following:**

20

- a) The reasons for drug adulteration includes
    - i) Scarcity of drug
    - ii) High price of drug
    - iii) Drugs sold illegally
    - iv) All of the above
  - b) Define 'Ash Value'.
  - c) Goldbeater's skin test is performed for identification of
    - i) Tannin
    - ii) Resin
    - iii) Fixed oil
    - iv) Alkaloid
  - d) Name chemical test for identification of cardiac glycosides.
  - e) The substance which increase evacuation of bowel is called as \_\_\_\_\_.
  - f) Which part of the plant is used as drug for Ephedra and Belladonna?
  - g) Jesuits bark is synonym of \_\_\_\_\_ drug.
  - h) \_\_\_\_\_ is the drug belongs to Apocyanace family.
  - i) Cinchona is used as \_\_\_\_\_.
  - j) Give name of drugs belongs to the families of umbelliferae and zingiberaceae.
  - k) Which drug having synonym 'Indian Saffron'
    - i) Coca
    - ii) Benzoin
    - iii) Vinca
    - iv) Turmeric
  - l) Define diuretic with example.
  - m) Neem belonging to \_\_\_\_\_ family.
    - i) Rubiaceae
    - ii) Meliaceae
    - iii) Liliaceae
    - iv) Zingiberaceae
  - n) In the preparation of silk, the cocoons are heated at \_\_\_\_\_.
  - o) Define Bhasma.
  - p) Sodhana and Marana are the steps involved in manufacturing of
    - i) Churna
    - ii) Taila
    - iii) Bhasma
    - iv) Leha
  - q) Define dietary fiber with example.
  - r) Define prebiotic with one example.
  - s) Write main chemical constituents of Aloevera.
  - t) Write two cosmetic uses of Lavender oil.
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