

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

- 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 borntrager 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:**

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- 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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