

12425

03 Hours / 80 Marks



0807

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 EIGHT of the following :

16

- a) Define 'Drug Evaluation'. Enlist various methods of evaluation.
- b) Define Bark. Explain the methods of collecting Barks.
- c) Define pharmacognosy. Who coined the term pharmacognosy.
- d) Name the drug which contain :
 - i) Meconic acid
 - ii) Barbaloin
 - iii) Vincristine
 - iv) Lysergic acid
- e) Mention the name of crude drug for which each of the following synonym is applicable :
 - i) Adeps Lanae
 - ii) Thorn apple leaves
 - iii) Rheumatism root
 - iv) Oleum ricini.
- f) What is mean by unorganised crude drug. Enlist any four examples of unorganised crude drug.
- g) Mention which part of the plant is useful as a drug in case of :
 - i) Vinca
 - ii) Pterocarpus
 - iii) Asafoetida
 - iv) Pyrethsum
- h) Write any two chemical tests of starch.
 - i) Explain the term :-
 - i) Crude drug
 - ii) Galenical Pharmacy
- j) Describe morphological characters of clove along with diagram.
- k) Define the term :
 - i) Stomachie
 - ii) Anthelmentie
- l) Define resins. Write the methods used for isolation of Pharmaceutical resins.

2. Attempt any FOUR of the following :

12

- a) Explain in detail 'Ayurvedic system of Medicine'.
- b) Define terpenoids ? Write its general properties and uses.
- c) What are surgical dressings and classify surgical dressings with examples.
- d) Give synonym, biological source with family of Amla. Explain any one chemical test for identification of Vitamin 'C'.
- e) Define and classify pharmaceutical aids with examples.
- f) Explain Liebermann's Burchard test for Hydrous wool fat. Give chemical constituents and uses of hydrous wool fat.

P.T.O.



3. **Attempt any FOUR of the following :** 12
- Write biological source, chemical constituents and uses of Garlic.
 - Define antiseptics and disinfectants. Give biological source and chemical constituents of any one of the mentioned below.
 - Curcuma
 - Neem
 - Draw a well labelled cellular diagram of T.S. of Fennel. Describe any four microscopic characters of it.
 - Describe method of collection and preparation of opium for market.
 - Give synonym, biological source of shark liver oil. Explain any one chemical test for identification of vitamin A present in shark liver oil.
 - Define Oxytocic. Give biological source, chemical constituents of Ergot.
4. **Attempt any FOUR of the following :** 12
- Describe the method of preparation of silk fibres and write the biological source of silk.
 - Define Tannins. Give biological source and chemical constituents of Pale Catechu.
 - Explain in detail :
 - Vitali – Morin Test
 - Keller – Killiani Test.
 - Write in detail scope of Pharmacognosy.
 - Explain various hemp product.
 - Write biological source, chemical constituents and uses of Liquorice.
5. **Attempt any FOUR of the following :** 12
- Define adulteration, Explain various methods of adulteration with suitable examples.
 - Define carminatives. Give any four characteristic feature of Umbelliferous fruits.
 - Define with examples of crude drugs
 - Diuretics
 - Astringents
 - Antitussive
 - Give the english name, biological source and chemical constituents of antileprotic drug.
 - Describe in detail chemical classification method with its merits and demerits.
 - What are cardiotonics ? Write adulterants and substituents of Digitalis.
6. **Write chemical tests of crude drugs given any FOUR of the following :** 16
- Tragacanth
 - Benzoin
 - Honey
 - Agar
 - Wool
 - Nun-Vomica
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