

12425

03 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) 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 type of classification of natural drugs with its merits and demerits.
- b) Define the term adulteration and enlist different methods of adulteration along with examples.
- c) Enlist traditional Indian systems of medicine. Describe Ayurveda an indigenous system of medicine.
- d) Define neutraceuticals and antioxidants. Give their therapeutic applications.
- e) Draw a well labelled diagram of Transverse section of Nux vomica and give its biological source and chemical constituents.
- f) Define pharmaceutical aids. Classify according to their applications. Also define phytochemicals with examples.
- g) Give synonyms, biological source and method of preparation of absorbent cotton.

2. Attempt any TEN of the following :

30

- a) Define pharmacognosy. Differentiate between organised and unorganised crude drugs.
- b) Define medicinal and aromatic plants and give their any four importance in national economy.
- c) Give therapeutic applications of following natural drugs –
 - i) Soya
 - ii) Garlic
- d) Explain Bontrager's test and modified Bontrager's test.
- e) What are enzymes. Give biological source and uses of papaya.
- f) Give biological source and chemical constituents of cinchona.
- g) Give therapeutic activity and pharmaceutical applications of tannins.
- h) Name the drugs which contain following chemical constituents :
 - i) Fenchone
 - ii) Digitoxin
 - iii) Vasicine
- i) Define Herbal formulations. Explain method of preparation of Taila.
- j) Give any two therapeutics uses, any two cosmetic uses and any two marketed formulations of sandal wood oil.
- k) Explain any two methods of micro-scopic evaluation of crude drugs.

P.T.O.

