



20113

Seat No.

23242

3 Hours / 80 Marks

- 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:

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- 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.

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30

2. Attempt any TEN of the following:

- 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 borntreger 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.

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[2]

Marks

- 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)

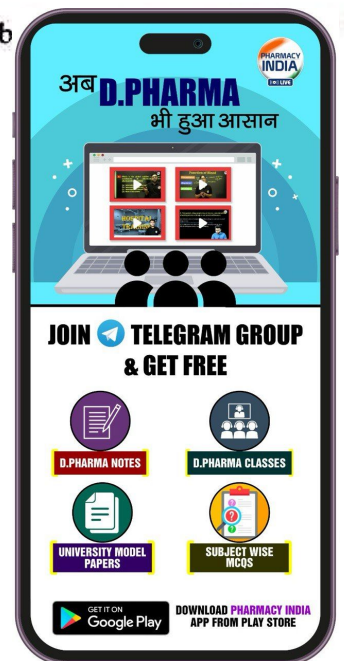
3. Attempt ALL of the following:

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 zingib
- 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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