

PHARMACOGNOSY

Full Marks: 80

Time Allowed: 3 hours

Group-A**1. A) Fill in the blanks:**

[1x10=10]

- Senna leaves contain _____ type of glycosides.
- Triglycerides of ricinoleic acid are found in _____.
- Opium belongs to the _____ family.
- The pungent principle of ginger is _____.
- _____ is known as the father of the Homeopathy system of medicine.
- The crude drug used as dental analgesic is _____.
- The alkaloid of tea leaf which is used as a stimulant is _____.
- The protein in silk is _____.
- _____ has anti-diabetic properties.
- Nutmeg contains _____ oil.

B) Define the following:

[1x10=10]

- Adulteration
- Carminatives
- Anti-tussives
- Oxytocics
- Sutures
- Tannins
- Organised crude drugs
- Pharmaceutical aids
- Anti-Tumours
- Nutraceuticals

Group-B**2. Answer any 10 (ten) questions:**

[3x10=30]

- State the advantages and disadvantages of Chemical classification of crude drugs.
- Define the stomatal number and stomatal index of leaf drugs.
- Explain the isolation process of glycosides.
- Write the significance of evaluating the ash value of a crude drug.
- Define cardiotonics. Give an example of a cardiotonic with its biological source.
- Write down the biological source, chemical constituents and therapeutic uses of Rauwolfia.
- Write a short note on anti-rheumatics.
- Name an anti-malarial drug. Write down its biological source and chemical constituents.
- Write a short note on Surgical Fibres.
- Explain 'Tridosha' as per Ayurvedic system of medicine.
- Write a brief note on Omega-3 fatty acids.

Group-C**3. Answer any 6 (six) questions:**

[5x6=30]

- Write a note on Biological methods for evaluation of crude drugs.
- Classify alkaloids on the basis of chemical nature with suitable examples.
- Write down the biological source, chemical constituents present and therapeutic uses of Fennel and Ephedra.
- Mention the chemical constituents present in the following drugs:
 - Aloe
 - Ginger
 - Black catechu
 - Vasaka
 - Acacia
- Name an anti-dysenteric drug. State its biological source, constituent chemicals and uses.
- Name the different types of Ayurvedic formulations. Explain the preparation of Asava.
- Briefly describe the use of sandalwood oil and olive oil as herbal cosmetics.