

**DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE**

**PHARMACOGNOSY (Theory)**

Full Mark -80

Time -3 hrs

**PART-A**

**Q1. Long answer type questions (Answer 6 out of 7)**

[6 x 5 = 30]

- (i) Write about quantitative microscopical evaluation.
- (ii) Define surgical dressings. Write notes on Cotton.
- (iii) Write a note on Ergot.
- (iv) Write in detail about Soxhlet extraction method.
- (v) Write details about the Phytochemical test used for glycosides and alkaloids.
- (vi) Explain adulteration of crude drugs with suitable examples.
- (vii) What do you mean by herbal formulation? Classify it with example. Give notes on Classical Ayurvedic formulations.

**PART-B**

**Q2. Short answer type questions (Answer 10 out of 11)**

[10 x 3 = 30]

- (i) Write a short note on Umbelliferous fruits.
- (ii) Define antioxidants with examples.
- (iii) Write the biological source, chemical constituents & uses of Neem.
- (iv) Explain about the biological role of Omega-3 fatty acid.
- (v) Write details on scope of Pharmacognosy.
- (vi) Write the Biological source and chemical constituents of Gokhru and Punarnava.
- (vii) Write down methods of preparation of Lehya.
- (viii) Define stomatal number and stomatal index.
- (ix) Differentiate between pale catechu and black catechu.
- (x) Differentiate between Organised and Unorganised drugs?
- (xi) Write the biological source, chemical constituents & commercial preparations of Sandal Wood Oil

**PART-C**

**Q3: Objective type (Answer all from all the sections). Each carries ONE mark**

[20 x 1 = 20]

**A) Define the followings:**

- a) Tannins 2. Oleogumresin. 3. Palisade ratio. 4. Cosmeceuticals. 5. Crude Drugs

**B) Write down the biological source of**

- a. Squill      b. Guggul      c. Ispaghula      d. Senna      e. Rauwolfia  
f. Myrrh      g. Ashwagandha.      h. castor oil      i. Aloe      j. Artemisia

**C) Answer the following**

- a) What are the chemical constituents of Fennel.?
- b) What is gutica?
- c) What is chemical test for tropane alkaloids?
- d) Write basic principle of unani system of Medicine.
- e) What is Chemotaxonomy?

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