



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B. PHARM (NEW)/SEM-2/PT-202/2011**

**2011**

**PHARMACOGNOSY**

*Time Allotted : 3 Hours*

*Full Marks : 70*

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP - A**

**( Multiple Choice Type Questions )**

Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

1. i) Shark liver oil is rich in
  - a) Vitamin - A
  - b) Vitamin - D
  - c) Vitamin - A & D
  - d) Vitamin - E.
- ii) Wagner's reagent is used for detection of
  - a) Glycosides
  - b) Alkaloids
  - c) Saponins
  - d) Phytosterols.
- iii) Biuret test is used for the detection of
  - a) tannins
  - b) amino acids
  - c) saponins
  - d) fixed oils.

2210

[ Turn over



- iv) Vinca alkaloids are isolated from
  - a) *Catharanthus roseus* and contain indole and indoline moiety.
  - b) *Rosco chromogens* and contain indole and indoline moiety.
  - c) *Catharanthus roseus* and contain quinoline quinaldine.
  - d) *Catharanthus indicus* and contain indole and quinoline alkaloids.
- v) Which one of the following drugs is used as a dental analgesic ?
  - a) nutmeg
  - b) clove
  - c) coriander
  - d) all of these.
- vi) Multi-layered thin-walled cork cell are found in
  - a) Nux-vomica seeds
  - b) Clove
  - c) Fennel fruit
  - d) Cinchona bark.
- vii) Which one of the following methods is an important analytical technique for identification of powdered crude drugs ?
  - a) Stomatal index
  - b) Palisade ratio
  - c) Hycopodium spore method
  - d) Vein islet number.
- viii) "Tridosha" is related with the
  - a) Chinese and kampoh system
  - b) Unani system of medicine
  - c) Ayurved-Indian system of medicine
  - d) Homoeopathic system of medicine.



- ix) Digitalis leaf contains trichomes of type
- a) Uniseriate bicellular
  - b) Uniseriate three to four celled
  - c) Multicellular glandular
  - d) Unicellular glandular.
- x) Which one of the following drug belonging to the family *Piperaciae* ?
- a) Hyoscyamus
  - b) Pale catechu
  - c) Black pepper
  - d) Rhubarb.
- xi) Chaulmoogra oil is used for the treatment of
- a) Psoriasis
  - b) Ringworm
  - c) Leprosy
  - d) Alopecia.
- xii) Which one of the following drugs is known as fox-glove ?
- a) Senna
  - b) Catechu
  - c) Rauwolfia
  - d) Digitalis.

**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following.

3 × 5 = 15

- 2. Differentiate between fixed oil and volatile Oil.
  - 3. Write a note on unbelliferous fruits.
  - 4. What do you understand by organoleptic evaluation ?
  - 5. Write a short note on ash value and mention its significance.
  - 6. What are palisade ratio and stomatal index ? What are Stomatal number, vein-islet number and vein-termination number ?
- 1 + 1 + 1 + 1 + 1



**GROUP - C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

7. What do you mean by purgatives ? Discuss the biological source, geographical source, organoleptic character, chemical constituent, chemical tests and uses of Isabgol. Why are isabgol husks are preferred to seeds.  $2 + 10 + 3$
8. Write the part used, biological source, chemical constituents and uses of any *Three* of the following :  $3 \times 5$ 
  - a) Tulsi.
  - b) Ashwagandha.
  - c) Ergot
  - d) Neem.
9.
  - a) What are crude drugs ?
  - b) What are the differences between organized and unorganized drugs ?
  - c) Describe the various systems of classification of crude drug with merits and demerits. Which one of the classifications do you consider to be the best and why ?  $2 + 3 + 8 + 2$
10.
  - a) Give example of an antimalarial and an antitumour drug and write their biological source, family, morphology, constituents and tests used for their identification.
  - b) Explain Vilali-Morrin test.  $5 + 5 + 5$
11.
  - a) What are vitamins ? Write a note on vitamin A containing drug obtained from animal source.
  - b) Write the botanical source, family, morphology, constituents and uses of digitalis.
  - c) Define drug adulteration. What are the types of adulterants. Explain any two.  $5 + 5 + 5$