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Name :	
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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)

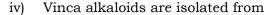
Choose the correct alternatives for any ten of the following:

 $10 \times 1 = 10$

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

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- 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.

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- 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 follwing 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.

 $3 \times 5 = 15$

- 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

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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 : 3×5
 - 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

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