



Name :

Roll No. :

Invigilator's Signature :

CS/B.Pharm (NEW)/SEM-2/PT-202/2010

2010

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)

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

10 × 1 = 10

- i) What is the botanical name of Hyoscyamus ?
 - a) *Atropa belladonna*
 - b) *Hyoscyamus niger*
 - c) *Hyoscyamus metel*
 - d) *Atropa acuminata.*
- ii) Which one of the following drugs is the dried sclerotium of a fungus ?
 - a) Ergot
 - b) Opium
 - c) Cannabis
 - d) Colchicum.
- iii) Zanzibar aloe with nitric acid gives
 - a) brownish colour change to green colour
 - b) deep brownish red
 - c) pale brownish
 - d) yellowish brown.

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[Turn over



- x) Which one of the following is the first recorded treatise fully devoted to the concept of practice of Ayurveda ?
- a) Sushruta Samhita b) Charak Samhita
c) Bhava Prakash d) Madhab Nidan.
- xi) Which one of the following is used in the treatment of Hodgkin's disease ?
- a) Cinchona b) Digitalis
c) Vinca d) Ergot.
- xii) The pungent principle present in Capsicum is
- a) Capsaicin b) Thiamine
c) Carotene d) Capsanthin.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. 3 × 5 = 15

2. Differentiate between organised and unorganised crude drugs with examples.
3. Define the following terms : 5 × 1
Pharmacognosy, Carminative laxative, Oxytocic, Astringent.
4. Write about the morphological and microscopical characters of Vinca leaf with diagram.
5. What are Pharmaceutical aids ? Write notes on Bentonite and Gelatin. 1 + 2 + 2
6. Write about the microscopical characters, chemical constituents including tests and uses of Digitalis.



GROUP – C

(Long Answer Type Questions)

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

7. Write notes on any *two* of the following : $2 \times 7 \frac{1}{2}$
- a) Scope of pharmacognosy
 - b) Indigenous systems of medicine
 - c) Various systems of classification of drugs of natural origin.
8. What do you mean by evaluation of crude drugs ? What are extractive value and ash value ? Discuss lycopodium spore method for evaluation of natural product. Write few chemical tests to identify alkaloidal drugs. $2 + 4 + 4 + 5$
9. a) Write the chemical tests and storage for volatile oils. 3
b) Write notes on the following : 4×3
- i) Dill
 - ii) Sandalwood
 - iii) Citronella
 - iv) Eucalyptus.
10. What is adulteration ? What are the types of adulteration ? Write down the conditions involved in adulteration. What are the different methods of adulteration with examples. $1 + 1 + 3 + 10$
11. a) Write the morphology of Coriander with the help of a neat labelled diagram. 5
b) Give two chemical tests to identify catechu. 2
c) Write the biological source, family, chemical constituents and uses of Rauwolfia, Nux vomica, Ipecacuanha and Cinchona. 8

