



Name :

Roll No. :

Invigilator's Signature :

CS/M.PHARM/SEM-1/MPT-102(1)/2011-12

2011

ADVANCED PHARMACOGNOSY-I

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) Which one of the following is a natural pesticide ?

a) Pyrethrum b) Parathion

c) Fenethropin d) Demeton.

ii) Which one of the following is a process for the purification of minerals, metals and animal product in Ayurveda ?

a) Filtration b) Separation

c) Extraction d) Sodhana.



- iii) Biological source of isabgol is
- a) *Plantago axatica* b) *Plantago ovata*
c) *Plantago domestica* d) *Plantago aristata*.
- iv) Which one of the following properties is constituted of Vata, Pitta and Kapha ?
- a) Trimala b) Tridhatu
c) Tridesh d) None of these.
- v) Which one of the following compounds is used as a plant growth inhibitor ?
- a) Kinetin b) Abscisic acid
c) Auxin d) Gibberellin.
- vi) Which one of the following is the constituent of Ashwagandha ?
- a) Reserpine b) Withanalide
c) Curcumin d) None of these.
- vii) Which one of the following is present in carotenoids ?
- a) Vitamin D b) Vitamin B
c) Vitamin K d) Vitamin A.
- viii) Which one of the following industrial methods is used in the extraction of Lemon Grass ?
- a) Soxhlet extraction
b) Supercritical fluid extraction
c) Steam distillation
d) Enfleurage.



- ix) The major constituent of Commiphora mukul is
- a) Vasicine b) Curcumin
- c) Nimbin d) Guggu esterone-Z.
- x) Which one of the following drugs is used as an adaptogenic agent ?
- a) Rauwolfia b) Shatamuli
- c) Coffee d) Ashwagandha.
- xi) Which one of the following Ayurvedic literatures has special emphasis on surgery ?
- a) Charak Samhita b) Sushruta Samhita
- c) Madhab Nidan d) Bhava Prakash.

GROUP – B

(Short Answer Type Questions)

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

2. What is the deterioration of drugs ? What are the primary and secondary factors for deterioration of drugs ?
3. Discuss briefly how herbs are used in industry and in what ways.
4. Define herbal medicine. What conditions and diseases are best suited for herbal drugs ?
5. Write down the phytochemical constituents and pharmacological action of Safed Musli.
6. Write short notes on plant growth regulator.



GROUP – C

(Long Answer Type Questions)

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

7. Discuss WHO guidelines for good agricultural practice to obtain good quality of herbal products.
8. What are the two different methods of preparation of Ayurvedic formulation ? Discuss their different dosage forms.
9. Write down the biological source, family, phytochemical constituents, phytochemical analysis and pharmacological actions of any *two* of the following medicinal plants.
 - a) *Acorus calamus*
 - b) *Adhatoda vasica*
 - c) *Curucuma longa*
 - d) *Commiphora mukul.*
10. What is a pesticide ? Classify pesticides according to their sources. Discuss the different types of natural pesticides.
11. Write down the constituents and uses of any *three* of the following : 3×5
 - a) Clove
 - b) Opium
 - c) Aloe
 - d) Henna.

