



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/M.Pharm/SEM-1/MPT-102(1)/2010-11  
2010-11**

**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) Endrin
    - b) Carbaryl
    - c) Azadirachtin
    - d) Hexachlorobenzine.
  
  - ii) Which one is a plant growth hormone ?
    - a) Vitamin B6
    - b) Auxin
    - c) Ethyl alcohol
    - d) None of these.
  
  - iii) The basic unit of terpenoids is called
    - a) lycopene
    - b) isoprene
    - c) lutein
    - d) none of these.



- iv) Senna leaves I.P. consists of
- a) dried leaves of *cassia indica*
  - b) dried leaflets of *cassia carpinifolia*
  - c) dried leaflets of *cassia acutifolia*
  - d) none of these.
- v) Which one is a plant organic nutrient ?
- a) Casein hydrolysate
  - b) Nimbin
  - c) Sodium
  - d) None of these.
- vi) Which one of the following word "DANGER" indicates ?
- a) Least toxic
  - b) More toxic
  - c) Most toxic
  - d) None of these.
- vii) Which one of the following is microbial pesticide ?
- a) *Bacillus subtilis*
  - b) *Bacillus thuringiensis*
  - c) *Bacillus sporangioses*
  - d) *Vibrio cholerae*.
- viii) According to GACP, face herbal products should be stored between
- a) 1°C to 5°C
  - b) 40°C to 50°C
  - c) - 0°C to 20°C
  - d) none of these.
- ix) 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 Nidhan.



- x) Which one of the following is used in the treatment of Hodgkin's disease ?
- a) Ashwagandha                      b) Safed Musli  
c) Vinca                                      d) Acorus Calamus.
- xi) The basic concept of diagnosis and drug development in Ayurveda is based on
- a) Monodosha theory              b) Tri Dosha theory  
c) Hexa Dosha theory              d) Octa Dosha theory.
- xii) The extracts of unsaturated fatty acids of hydnocarpic acid are available in
- a) clove oil                                      b) Chaul Moogra oil  
c) mustard oil                                      d) lemon grass oil.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.               $3 \times 5 = 15$

2. Write down the phytoconstitutents and pharmacological actions of aloe.
3. Discuss the factors affecting cultivation of medicinal plants.
4. Write short notes on the following :               $2 \times 2\frac{1}{2}$
- a) Fertilizers and manures  
b) Growth regulators.
5. What is pest ? Write down the different methods of pest control.               $1 + 4$
6. Write down the photochemical and analytical specification of Adhatoda Vasica.



**GROUP – C**

**( Long Answer Type Questions )**

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

7. Discuss the basic principles of Ayurveda — Indian systems of medicine. What are the merits and demerits of Indian systems of medicine ? 10 + 5
  
  8. Describe the WHO guidelines on good agricultural and collection practices ( GACP ) for medicinal plants with reference to quality control of the crude drugs.  $2 \times 7\frac{1}{2}$
  
  9. Discuss the importance of pharmacognosy in Herbal industry in connection with the drugs, foods and cosmetics.
  
  10. Write down the cultivation practices with botanical names, family, phytoconstituent and pharmacological actions of any two of the following medicinal plants :  $2 \times 7\frac{1}{2}$ 
    - a) Ashwagandha
    - b) Safed Musli
    - c) Isaphgol
    - d) Senna.
  
  11. Write in details about the various Ayurvedic dosage forms and methods of preparation of medicines prescribed in Ayurvedic formula. 3 + 12
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