

Total No. of Questions : 6]

SEAT No. :

P2007

[5145]-705

[Total No. of Pages : 2

Final Year B.Pharmacy

**4.7.5 NATURAL DRUG TECHNOLOGY
(2013 Pattern) (Semester - VII) (Theory)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answer to the two sections should be written in separate answer books.*
- 3) *Figures to the right indicate full marks.*

SECTION - I

Q1) Solve any ONE:

[10]

- a) What do you mean by Arista and Bhasma? Give methods of preparation and evaluation of Arista and Bhasma.
- b) Discuss standardization of herbal drugs with special emphasis on current approaches, difficulties and limitations in standardization.

Q2) Solve Any FIVE:

[15]

- a) Give significance of authentication of plant material.
- b) Give factors influencing the level of plant metabolites.
- c) Write a note on WHO guidelines to good storage practices for pharmaceuticals.
- d) Discuss the methods to control infestation.
- e) Write a note on Vatika.
- f) Discuss the deterioration of crud drugs due to
 - i) Moisture
 - ii) Temperature
- g) Write a short note on Churna.

P.T.O.

Q3) Solve any TWO: **[10]**

- a) Discuss WHO guidelines on Good Agricultural and Collection Practices (GACP)
- b) Explain in brief diagnosis and treatment in Ayurveda.
- c) Give principle and applications of DNA fingerprinting in plants.
- d) Write a note on Siddha system of medicine.

SECTION - II

Q4) Solve any ONE: **[10]**

- a) What do you mean by oral bioavailability enhancers? Discuss in details the natural products as oral bioavailability enhancers.
- b) Classify herbal dietary supplements. Discuss in detail Garlic, Spirulina and Turmeric as herbal dietary supplement.

Q5) Solve Any FIVE: **[15]**

- a) Give the Pharmacognostic account of Pyrethrum.
- b) Give general method of preparation of herbal shampoo.
- c) Write a note on evaluation of skin cosmetics.
- d) Write a note on Hyaluronic acid in wound management.
- e) Explain probiotics and prebiotics with examples.
- f) Comment on pesticides and environment.
- g) Write a note on Ginko biloba.

Q6) Solve any Two: **[10]**

- a) Discuss in detail novel drug delivery system for herbal drugs.
- b) What are pest? Describe in detail different methods of pest control.
- c) Discuss in detail the herbs used in skin and hair care cosmetics.
- d) Write a note on biofuels.

