



- (k) Give commercial applications of sennosides and geranium oil.
- (l) What are fungal toxins? Give two examples.
- (m) Name two anti-microbial agents from marine sources.
- (n) Give sources of taxol. Also write the name of its major precursor obtained from plants.
- (o) Give HS code for aloe and its commercial uses.

### SECTION-B

- 2. Discuss about chemotaxonomy and its importance in the field of medicinal plants.
- 3. Discuss importance and world-wide trade of Licorice.
- 4. Write a note on hairy root culture and its importance in medicinal plant research.
- 5. Discuss various natural allergens.
- 6. What are the various steps involved in registration of a herbal product.

### SECTION-C

- 7. Discuss in detail the utilization and production methods of tropane alkaloids and quinine.
- 8. (a) Give an account of anti-cancer agents obtained from marine sources.  
(b) Give utilization of lemon grass oil and its products.
- 9. Discuss various steps involved in performing plant tissue culture.
- 10. Define Herbal Cosmetics and give a detail view about plants and/or phytoconstituents used in herbal cosmetics.

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