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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-8)

PHARMACOGNOSY-VI

Subject Code : BPHM-803

M.Code : 72298

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A**1. Answer briefly :**

- (a) Draw structure of podophyllotoxin and diosgenin.
- (b) What do you understand by SITC and HS codes? Also give their full form.
- (c) Give complete source and commercial use of vetiver oil.
- (d) Define Macro- and micro-nutrients. Give two examples of each that are used in plant tissue culture.
- (e) Name two anti-inflammatory agents (with complete biological source) obtained from marine sources.
- (f) Name two institutions and industries involved in the work on medicinal and aromatic plants in India.
- (g) Define Nutraceuticals. Name the regulatory body in India that regulate food products.
- (h) Give complete biological source, importance and HS code of cinchona.
- (i) What is an explants? Enlist the characters of explants that affects the culture growth.
- (j) What are photosensitizing agents? Give two examples.



- (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.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.