

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma. (Sem.-8)
PHARMACOGNOSY-VI
Subject Code : BPHM-803
M.Code : 72298
Date of Examination : 07-07-22

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 menthol and eucalyptol.
- (b) Write uses of sandalwood oil and solasodine.
- (c) What is suspension culture? How it is different from callus culture?
- (d) Define biotransformation and give it application.
- (e) Write the source and importance of geranium and lemon grass oil.
- (f) Give two examples of fungal toxins.
- (g) Give complete biological source of two natural allergens.
- (h) Draw chemical structures of diosgenin and scopolamine.
- (i) Name two institutions and industries involved in the research on medicinal and aromatic plants in India.
- (j) Define herbs and nutraceuticals. Also give two examples.

- (k) Write full form of EMEA. Also, name the committee in EMEA that frame guidelines for herbal drugs.
- (l) What are HS and SITC codes?
- (m) Draw structure of podophyllotoxin and name two semisynthetic anticancer drugs developed from podophyllotoxin.
- (n) Name two anticancer agents from marine sources.
- (o) Give complete source, uses and HS code of Valerian.

SECTION-B

2. Write a note on photosensitizing agents.
3. Discuss the requirements for registering and marketing a plant based product in India.
4. Write the utilization and production of calcium sennosides.
5. Write a note on healthy foods.
6. Write a brief note on the trade of taxol.

SECTION-C

7. Write a detailed note on chemotaxonomy of medicinal plants.
8. Write an elaborated note on herbal cosmetics.
9. Elaborate on various requirements for performing plant tissue culturing.
10. Discuss various anti-inflammatory and antimicrobial agents obtained from marine sources.

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.