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Total No. of Pages :02

Total No. of Questions : 10

B.Pharma (2011 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) Mention 2 advantages and 2 limitations of drugs of natural origin.
- b) Mention 2 problems faced by the medicinal plant industry.
- c) Give complete biological sources of 2 drugs of marine origin.
- d) Mention 2 industries and 2 institutes involved with medicinal and aromatic plants.
- e) Enumerate 4 requirements for plant tissue culture.
- f) Medicinal plants can be obtained from wild and cultivated sources. Which is better?
- g) Who are the major producers and consumers of medicinal plants?
- h) Give the basic structure of tropane alkaloids. Give 2 commercial sources of tropane alkaloids.
- i) Give complete source and uses of 2 plants used in cosmetics.
- j) What is the ideal temperature and pH for plant tissue culture?



- k) Give the source and structure of a natural photosensitizing agent.
- l) Give the commercial sources and structure of diosgenin.
- m) What is totipotency?
- n) Mention 2 medicinal and 2 aromatic plants that India exports.
- o) Mention the different international and national agencies regulating aspects for herbal products.

SECTION-B

- 2. What are the differences between cosmetics and herbal cosmetics? Name 2 industries producing herbal cosmetics internationally and in India
- 3. Compare callus and suspension culture.
- 4. Describe the production and utilization of mentha oil and its by-products.
- 5. How can the production of secondary metabolites be increased in plant tissue culture?
- 6. Describe the WHO requirements for using medicinal plants.

SECTION-C

- 7. The trade in medicinal and aromatic plants is the backbone of a nation's economy. Justify with suitable examples.
- 8. Explain the following :
 - a) Importance of chemotaxonomy.
 - b) Natural allergens.
- 9. Write notes on :
 - a) Trade in natural laxatives.
 - b) Commercial production and utilization of lemon grass oil.
- 10. What are the advantages and limitations of plant tissue culture? What are the applications of plant tissue culture in Pharmacognosy?

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.