

(6 pages)

Reg. No. : .....

Code No. : 5383

Sub. Code : PBOE 41

M.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2022

Fourth Semester

Botany

Elective – MEDICINAL BOTANY AND DIETETICS

(For those who joined in July 2017 Onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which part of *Acorus calamus* is used for medicine?
  - (a) Bark
  - (b) Entire plant
  - (c) Leaf
  - (d) Rhizome

2. Botanical name of sweet flag
  - (a) *Tinospora cordifolia*
  - (b) *Acorus calamus*
  - (c) *Plantago ovata*
  - (d) *Terminalia chebula*
3. Olive oil is good source of
  - (a) Saturated fat
  - (b) Amino acid
  - (c) Protein
  - (d) Cholesterol
4. Which lavender is used for producing lavender essential oil?
  - (a) *Lavandula multifida*
  - (b) *Lavandula angustifolia*
  - (c) *Lavandula latifolia*
  - (d) *Lavandula pinnata*
5. Which of the following is major chemical constituents of Turmeric?
  - (a) Cineole
  - (b)  $\alpha$ -Phellandrene
  - (c) Curcuminoids
  - (d) Camphene

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6. Biological source of Garlic is:

- (a) *Allium sativum*
- (b) *Thymus vulgaris*
- (c) *Allium cepa*
- (d) *Santalum album*

7. Which one of the following foods is not the functional food?

- (a) Dietary fiber
- (b) Probiotics
- (c) Omega-3 polyunsaturated fatty acids
- (d) Pills or capsules of foods as a part of everyday diet

8. What is a health problem that also may occur with psoriasis?

- (a) Arthritis
- (b) Hives
- (c) Gingivitis
- (d) Conjunctivitis

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9. Which of the following is not omega-3 fatty acids

- (a) Alpha-linolenic acid
- (b) Arachidonic acid
- (c) Docosahexaenoic acid
- (d) Eicosapentaenoic acid

10. Functions of probiotic includes \_\_\_\_\_

- (a) Vitamin's synthesis
- (b) Absorption
- (c) Digestion
- (d) All the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write the systematic position of *Tinospora cordifolia* and *Terminalia chebula*.

Or

(b) Explain the habitat, habit and morphology of *Plantago ovata*.

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12. (a) Give an account on castor oil.

Or

- (b) Discuss about the benefits of olive oil.

13. (a) Explain the therapeutic values of black gram.

Or

- (b) Explain the therapeutic values of garlic.

14. (a) Comment on plant nutraceuticals.

Or

- (b) Write the symptoms of anorexia and arthritis.

15. (a) Give an account on dietary fibers.

Or

- (b) Discuss about cosmeceuticals.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe the habitat, habit, systematic position and uses of *Acorus calamus*.

Or

- (b) Describe the habitat, habit, systematic position and uses of *Tylophora asthmatica*.

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17. (a) Discuss about the properties and medicinal uses of neem oil.

Or

- (b) Discuss about the properties and medicinal uses of lavender oil.

18. (a) Explain the therapeutic values of (i) banana and (ii) guava.

Or

- (b) Explain the therapeutic values of (i) ginger and (ii) cumin.

19. (a) Discuss about the treatment of diabetes using plant foods.

Or

- (b) Discuss about the treatment of psoriasis using plant foods.

20. (a) Explain the PUFA.

Or

- (b) Discuss about the probiotics.

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