

(6 pages)

Reg. No. : .....

Code No. : 7148

Sub. Code : PBOM 24

M.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2018.

Second Semester

Botany

ENTREPRENEURSHIP BOTANY

(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. The practice of growing and cultivating plants is known as  
(a) Agriculture                      (b) Horticulture  
(c) Gardening                      (d) Landscaping
2. Japanese art of producing small trees in containers  
(a) Bonsai                              (b) Desert garden  
(c) Topiary                              (d) Landscape garden

3. Zen gardens are also known as  
(a) Mughal gardens              (b) English gardens  
(c) Japanese gardens              (d) Italian gardens
4. Which of the following indoor plants is poisonous?  
(a) *Cordyline*                      (b) *Chlorophytum*  
(c) *Dieffenbachia*                      (d) *Draceana*
5. Dwarf species of chrysanthemum is  
(a) *C. frutescens*                      (b) *C. coronarium*  
(c) *C. moreifolium*                      (d) *C. multicaule*
6. The Indian Institute of Horticultural Research is located at \_\_\_\_\_.  
(a) Bhopal                              (b) Jaipur  
(c) Lucknow                              (d) Bangalore
7. Technique to control shape, size and direction of plant growth is known as  
(a) Training                              (b) Topiary  
(c) Thining                              (d) Dis budding
8. Mushroom is a fruiting body of  
(a) Virus                                  (b) Fungus  
(c) Phytoplasma                      (d) Bacteria

Page 2

Code No. : 7148



9. Which one of the following species of earthworm is not recommended for vermicomposting

- (a) *Eudrilus eugeniae*
- (b) *Eisenia fetida*
- (c) *Pheretima posthuma*
- (d) *Perionyx excavatus*

10. EDP (Entrepreneurship Development Programmes) is required to help

- (a) Existing entrepreneurs
- (b) First generation entrepreneurs
- (c) Future generations entrepreneurs
- (d) None of 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) Detail note on scope, importance and types of Gardening.

Or

(b) Brief notes on Topiary and Nursery practices.

12. (a) Describe various methods of sowing transplanting of grasses during lawn making.

Or

(b) Describe the nutritional status of mushroom.

Page 3      Code No. : 7148

13. (a) How can organic farming improve soil productivity?

Or

(b) Explain about the Vermicomposting and Marketing.

14. (a) What are the sources of pure culture of various mushroom species? How Pure cultures of different species can be maintained in the laboratory?

Or

(b) Describe the method of cultivation of Paddy Straw Mushroom including the species, materials, preparation of bed, spawning and harvesting.

15. (a) What do you understand by concept of entrepreneurship?

Or

(b) Explain about the Yojana Schemes.

Page 4      Code No. : 7148  
[P.T.O.]



PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)  
Each answer should not exceed 600 words.

16. (a) Define the term "horticulture," and discuss the role of horticulture in enhancing human well-being and environmental beautification.

Or

- (b) Distinguish the following disciplinary areas of horticulture with the kinds of crops grown and cultural practices used, (i) Pomology (ii) Olericulture (iii) Floriculture (iv) Nursery crops.

17. (a) What is meant by a "carbon dioxide compensation point," and what would happen if the C3 and C4 plants are grown together in a tightly sealed terrarium with no air infiltration?

Or

- (b) Explain about the Flower arrangement, Cut Flowers and Bouquet making.

18. (a) Definition, objectives and scope - different types of gardening.

Or

- (b) Explain Gardening operations: soil laying, manuring, watering.

Page 5

Code No. : 7148

19. (a) Explain about the Green house - mist chamber, shed root, shade house and glass house for propagation.

Or

- (b) Landscaping Places of Public Importance: Landscaping highways and Educational Institutions.

20. (a) Explain the support provided by the government for the development of entrepreneurship opportunities.

Or

- (b) Explain the need and significance of Entrepreneurship Development Programme (EDP).

Page 6

Code No. : 7148

