FIFTH SEMESTER B.Sc. DEGREE EXAMINATION OCTOBER 2012

(CCSS)

B05 D01—HORTICULTURE AND NURSERY MANAGEMENT

Time : Three Hours   Maximum : 30 Weightage

I. Answer *all* questions. Choose the correct answer from the given choices :

1 The clone of rubber RRII 105 is propaged by :

(a) Air layering.   (b) Cutting.

(c) Simple layering.   (d) Bud grafting.

2 Which hormone is not used in tissue culture ?

(a) IAA.   (b) BA.

(c) Gibberelins.   (d) Ethylene.

3 A plant propagated by root cutting is :

(a) Bread fruit.   (b) Brinjal.

(c) Elephant foot yam.   (d) Potato.

4 The term "Bonsai" means :

(a) Dwarf plants.   (b) Pruned plants.

(c) Indoor planting.   (d) Tray planting.

Fill in the blanks :

5 A nitrogen containing chemical fertilizer is _____

6 A tubercrop propagated by stem cutting is _____

7 A cultivar of chilli is _____

8 Indian Institute of Horticultural Research is located at _____

Answer in a single ward :

9 Name a beneficial soil microbe.

10 Name the liquid manure obtained in vermiculture.

11 Name a systemic fungicide.

12 Give the name of any commercially available rooting hormones.

$(12 \times \frac{1}{4} = 3$ Weightage$)$

II. Short Answer Questions. Answer *all* **nine questions :**

13 What is an explant ?

14 What is the meaning of the term "true seed" ?

15 Seed dormancy.

16 Name a sprayer used for pesticide application.

17 Vermicomposting.

18 What is micropropagation ?

19 Depotting.

20 Fumigation.

21 Give the name of any cultivars of Brinjal.

(9 x 1 = 9 Weightage)

III. Short Essay or Paragraph Questions. Answer any *five* **questions from seven:**

22 Write on grafting methods.

23 Describe the method of cultivation of pea.

24 T-budding.

25 Seed treatment.

26 How aseptic condition is maintained in tissue culture ?

27 Write short note on Bonsai.

28 Coir pith composting.

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(5 x 2 = 10 Weightage)

IV. Essay Questions. Answer any *two* **questions :**

29 Write an essay on the scope and significance of horticulture.

30 Write notes on different garden tools and implements.

31 Describe on the protection of horticultural plants.

(2 x 4 = 8 Weightage)