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Name.....

Reg. No.....

**FIFTH SEMESTER B.A./B.Sc./B.Com./B.B.A. DEGREE (SUPPLEMENTARY/
IMPROVEMENT) EXAMINATION, NOVEMBER 2016**

(UG–CCSS)

Open Course

BO 5D 01—HORTICULTURE AND NURSERY MANAGEMENT

(2012 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer *all* questions.

Choose the correct answer :

1 Study of flowers is called :

(a) Floriculture.

(b) Anthology.

(c) Pomology.

(d) Olericulture.

2 Dominant life phase in Angiosperms is :

(a) Gametophytic.

(b) Gametic.

(c) Sporophytic.

(d) None of these.

3 The material of biological origin used to improve and maintain soil fertility is :

(a) Biopesticide.

(b) Biofertilizer.

(c) Fertilizer.

(d) None of these.

4 Which of the following plant can be propagated through root cutting ?

(a) Tapioca.

(b) Bread fruit.

(c) Ginger.

(d) Banana.

Fill in the blanks :

5 Binomial nomenclature was proposed by _____

6 Farmers use urea as a source of _____

7 Embryonic root present in the plant embryo is called _____

8 Planting material of mushroom is called _____

Answer in one word :

9 Name the pigment present in the root nodules of leguminous plants.

10 Name the group of plants which complete their life cycle in two years of two growing seasons.

Turn over

11 Art of plants trimmed to the shape of animals or seats etc.

12 Which type of budding is used to propagate rubber plants ?

(12 x $\frac{1}{4}$ = 3 weightage)

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

13 Differentiate between sexual and vegetative reproduction in plants.

14 Explain the role of soil pH in mineral absorption.

15 What is vermiwash ? Explain its use.

16 Describe the advantages of drip irrigation.

17 Write the principle of tetrazolium seed testing.

18 Describe the medicinal value of mushrooms.

19 Define callus. What is its significance ?

20 Write a brief account on the principle of food preservation.

21 Differentiate between grafting and budding.

(9 x 1 = 9 weightage)

III. Short Essay questions. Answer any *five* questions :

22 Write an account on the disadvantages of chemical fertilizers.

23 Explain potting. Add a note on the composition of potting mixture.

24 Write an account on the significance of grow bag cultivation in urban areas.

25 Explain the advantages and disadvantages of seed dormancy.

26 Explain biofertilizers. Add a note on the advantages of it.

27 Describe the traditional classification of pesticides.

28 Write an account on the classes of seeds based on the stage of multiplication during seed certification programme.

(5 x 2 = 10 weightage)

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

29 Explain the role of microbes in maintaining soil fertility.

30 Describe different types of irrigation methods commonly employed in farming.

31 Write an essay on the steps to be followed in plant tissue culture.

(2 x 4 = 8 weightage)