

Code No. : B03/104

(D) Write an account on vegetable oil yielding crops.

12

Or

Write an account on timber plants.



Roll No.

Total No. of Sections : 4

Total No. of Printed Pages : 4

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III Semester Examination

M.Sc.

BOTANY

Paper I

[Plant Development and Plant Resources]

Time : Three Hours]

[Maximum Marks : 80

[Min. Passing Marks : 16

Note : Part A and B of each question in each unit consists of Very Short Answer Type Questions which are to be answered in one or two sentences. Part C (Short Answer Type) of each question will be answered 200-250 words. Part D (Long Answer Type) of each question should be answered within the word limit 400-450.

Unit-I

1. (A) What is hypogeal seed germination ? 2
- (B) What is plant development ? 2
- (C) Describe causes of seed dormancy. 4

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Or

Write root microbe interaction.

(D) Describe unique features of plant development.

12

Or

Describe organization of Root apical meristem (RAM).

Unit-II

2. (A) What is lenticel ? **2**

(B) What is phloem ? **2**

(C) Describe Laticifers. **4**

Or

Write difference between heart wood and sap wood.

(D) Describe structure and function of phloem. **12**

Or

Write an essay on Annual Ring.

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Unit-III

3. (A) What is phyllotaxy ? **2**

(B) Write two types of stomata. **2**

(C) Write structure and function of stomata. **4**

Or

Explain the genetics of floral organ differentiation.

(D) Describe senescence and its regulation. **12**

Or

Describe differentiation of epidermis and trichome.

Unit-IV

4. (A) Write any two five wood plants. **2**

(B) Write two non-wood forest products. **2**

(C) Write note on Fibre. **4**

Or

Describe Fodder crop.

[3]

P. T. O.