

Seat Number

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April-2016



किनार - 035

**BOTANY PAPER - II : BOT-122**  
**Industrial Botany**  
**(114202)**

P. Pages : 3

Time : Two Hours

Max. Marks : 60

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.
6. Draw neat and labelled diagram wherever necessary.

1. a) Attempt **any six** of the following.

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- i) Rhizobium is isolated from -----  
a) Root nodules                      b) Leaf  
c) Stem                                  d) None of these
- ii) From the following which one is organic manure?  
a) Humus                                b) Compost  
c) Farmyard manure                  d) All above
- iii) From which group Penicillium belongs?  
a) Algae                                  b) Bacteria  
c) Fungi                                  d) BGA
- iv) Agaricus is commonly called as ----- mushroom.  
a) Paddy straw                      b) Button  
c) Dhingri                              d) Oyster
- v) Rubber is obtained from the ----- of a rubber plant.  
a) Stem                                  b) Root  
c) Seed                                  d) Fruits
- vi) Which of the following plant yields Biopesticide?  
a) Banyan                                b) Neem  
c) Babool                                d) Teak

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3. Attempt **any four** of the following. 12

- a) Comment on green manure with example.
- b) Give types of Biofertilizers.
- c) What is antibiotics? Give its importance.
- d) Explain edible and Non-edible mushrooms.
- e) Describe in brief types of fruit processing.
- f) Describe the mechanism of biological control.

4. Attempt **any three** of the following. 12

- a) Describe the method of mass culture of BGA.
- b) Explain the process of rubber.
- c) What is fruit processing? Explain process of Preparation of Pickle.
- d) Give the importance of edible mushrooms.
- e) Explain process of canning of fruits.

5. Attempt **any two** of the following. 12

- a) Explain the process of formation of Ethanol.
- b) Give importance of organic manures and Biofertilizers in Agriculture.
- c) What is rubber? Describe physical and chemical properties of rubber.

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