

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)

CLASS: IMSC.  
BRANCH: FOOD TECHNOLOGY

SEMESTER : V  
SESSION : MO/19

SUBJECT: IMF5003 AGRICULTURAL PRACTICES

TIME: 3 HOURS

FULL MARKS: 60

**INSTRUCTIONS:**

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
  2. Candidates may attempt any 5 questions maximum of 60 marks.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) What do you mean by greenhouse effect? [2]  
Q.1(b) Write short notes on GIS. [4]  
Q.1(c) Why public awareness is needed for environment? Explain. [6]
- Q.2(a) What do you mean by organic farming? [2]  
Q.2(b) What do you mean by VRT? [4]  
Q.2(c) Describe cropping pattern and cropping system. [6]
- Q.3(a) What is seed multiplication ratio? [2]  
Q.3(b) What do you mean by seed certification? [4]  
Q.3(c) Explain the different methods of seed processing. [6]
- Q.4(a) What do you mean by soil and rock? [2]  
Q.4(b) Describe the type of soil collide. [4]  
Q.4(c) What is ion absorption? Write down the chemical properties of soil. [6]
- Q.5(a) What do you mean by SSB? [2]  
Q.5(b) Describe alkali soil management. [4]  
Q.5(c) Describe Integrated Plant Nutrition Management. [6]
- Q.6(a) What do you mean by drainage of agricultural land? [2]  
Q.6(b) What are the major problems of water logging? [4]  
Q.6(c) Describe the method of irrigation scheduling. [6]
- Q.7(a) What is the effect of soil erosion? [2]  
Q.7(b) Why wasteland management is essential? [4]  
Q.7(c) Define wasteland. Describe bench terracing mechanical soil conversion practices adopted by farmer. [6]

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