

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

CLASS: IMF
BRANCH: FOOD TECHNOLOGY

SEMESTER : V
SESSION : MO/18

SUBJECT: IMF5003 AGRICULTURAL PRACTICES

TIME: 3.00 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 is environment? | [2] |
| Q.1(b) Explain the term geographical information system? | [4] |
| Q.1(c) Describe the factors influencing cropping pattern. | [6] |
| Q.2(a) What do you mean by cropping patterns? | [2] |
| Q.2(b) Write the characteristics of HYV seeds. | [4] |
| Q.2(c) Write notes on organic farming. | [6] |
| Q.3(a) What is nucleotide? | [2] |
| Q.3(b) What are the different methods of seed processing? | [4] |
| Q.3(c) Describe in brief weed and its control. | [6] |
| Q.4(a) What is soil permeability? | [2] |
| Q.4(b) What is soil consistency? Discuss the factor affecting soil consistency. | [4] |
| Q.4(c) Write down the properties of soil colloids. | [6] |
| Q.5(a) What is biofertilizer? | [2] |
| Q.5(b) What do you mean by saline soil and their management. | [4] |
| Q.5(c) Explain the term integrated plant management. | [6] |
| Q.6(a) What are the factors of soil erosion? | [2] |
| Q.6(b) Classify the gully soil erosion. | [4] |
| Q.6(c) What are the types of soil erosion. | [6] |
| Q.7(a) What do you mean by irrigation? | [2] |
| Q.7(b) Describe the method of irrigation scheduling. | [4] |
| Q.7(c) Describe the term drainage with respect to agricultural land. | [6] |

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