

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

CLASS: IMSC
BRANCH: FOOD TECHNOLOGY

SEMESTER : III
SESSION : MO/19

SUBJECT: FT205 INTRODUCTION TO AGRICULTURAL PRACTICES
TIME: 3 HOURS

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 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) How soil is formed? Discuss the different factors which effects soil formation. [5]
Q.1(b) Describe the different hazards of pollution on crops, animals and human. Define global warming. [5]
- Q.2(a) Explain principles of soil fertility and history of development of soil fertility. [5]
Q.2(b) Define watershed and soil erosion. Differentiate between dry land and rain fed areas. [5]
- Q.3(a) Explain the different effects of industrial effluents on soil and water pollution. List the five irrigation projects of India. [5]
Q.3(b) Explain the concept of drip and sprinkler irrigation. Define precision farming. [5]
- Q.4(a) Define agroforestry and represent in pictorial form the relationship between different types of agroforestry. [5]
Q.4(b) What are the harvest maturity symbols in rice, wheat, ragi and pulses? What do you mean by organic farming? Explain in brief. [5]
- Q.5(a) How DNA fingerprinting and seed registration are related? [5]
Q.5(b) What is a seed? Describe the different categories of seeds. What are different characteristics of good seeds? [5]

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