

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

CLASS: ISc
BRANCH: FOOD TECHNOLOGY

SEMESTER: III
SESSION : MO/2019

SUBJECT : FT205 INTRODUCTION TO AGRICULTURAL PRACTICES

TIME: 2:00 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
2. Candidates may attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.

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- Q1 (a) Define the terms Population, Community and Ecosystem. [2]
Q1 (b) How parent material that forms a soil will affect the properties of soil? Explain with example. [3]
- Q2 (a) What do you mean by organic farming and precision farming? [2]
Q2 (b) Write about Igneous rocks, Sedimentary rocks and Metamorphic rocks. [3]
- Q3 (a) Explain the principle of soil fertility. [2]
Q3 (b) Explain the term "Chemical fertilizers". What are the advantages of Chemical fertilizers utilization? [3]
- Q4 (a) What do you mean by efficient crops and cropping systems? [2]
Q4 (b) Distinguish between Dry Land Farming and Rainfed Farming. [3]
- Q5 (a) Explain the term "Rainfed agriculture" with examples. [2]
Q5 (b) What is "Soil Testing" and "Soil Test Value"? Explain these terms with examples. [3]

:25/09/2019 :E