

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-1, SEPT, EXAMINATION-2016

B.tech 1<sup>ST</sup> Semester

COURSE NAME: Fundamental of Biology  
COURSE CODE: 13B11BT111  
COURSE CREDITS: 03

MAX. MARKS: 15  
MAX. TIME. 1 hr

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Note: Carrying of mobile phone during examination will be treated as a case of unfair means. Give all answer to the point.

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**Part A: Short Answer Question (1 Mark each)**

1. Which of the following is false about prokaryotes:
  - a. They consist of bacteria and archaea.
  - b. Most are unicellular
  - c. They have no cell nucleus
  - d. Cell division occur by mitosis and meiosis
2. Plants are autotrophic, can you think of some plants that are partially heterotrophic.
3. What is Taxonomy
4. What is transduction
5. Which group of plant is regarded as first terrestrial plant? Why?

**Part B: Long Answer Question (2 Mark each)**

1. Who gave five kingdom classifications? Name the five kingdom of living organism.
2. Explain in brief (a) Mycorrhiza (b) Lichens
3. Find out the industrial applications of Prokaryotes and list them.
4. Find out the difference between prokaryotic and eukaryotic cell.
5. Explain in brief (a) Archaeobacteria (b) Gram Staining