

Prof. Abhishek

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-1 EXAMINATION- September -2017

B. Tech (1st Semester) Biotechnology

COURSE CODE: 13B11BT111

MAX. MARKS: 15

COURSE NAME: Fundamental Biology

COURSE CREDITS: 03

MAX. TIME: 1 HR

Note: All questions are compulsory. Carrying of mobile phone during examination will be treated as case of unfair means. Marks are indicated below each question

Part A: Short Answer Questions (1 marks each).

- Which of the following is false about Monera:
 - They consists of bacteria and archaea
 - Most are unicellular
 - they have false nucleus
 - cell division occur by mitosis and meiosis
- bacteria having tuft of flagella at one end are known as:
 - Monotrichous
 - lophotrichous
 - amphitrichous
 - peritrichous
- Binomial nomenclature means writing the name of plant in two words which designate
 - Order and family
 - family and genus
 - Species and variety
 - Species and genus
- Explain conjugation in bacterial cells.
- Define Taxonomy.

Part B: Long Answer Question (2.5 Marks).

- Who gave five kingdoms classification? Name the five kingdoms of living organism?
- Explain Gram staining.
- Find out the economics importance of bacteria and list them.
- Find out the difference between prokaryotic and eukaryotic cells.

BT-4, BT