

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-3 EXAMINATION- Dec.-2017

B. Tech. (1st Semester)

COURSE CODE: L-13B11BT111

MAX. MARKS: 35

COURSE NAME: Fundamental Biology

COURSE CREDITS: 03

MAX. TIME: 2 HRs

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: Answer the following question (3 Marks each).

1. Define (a) Simple lipid (b) Compound lipid
2. Explain peptide bond with suitable example
3. Draw the structure of (a) Cysteine (b) Phenylalanine (c) Glycine
4. Explain triglyceride with suitable example
5. Explain phosphodiester bond with suitable example
6. Explain ramachandran plot
7. What are the general characteristics of phylum arthropoda.
8. Difference between monocot and dicot plant.
9. Explain (a) Oviparous (b) Viviparous (c) Ovoviviparous
10. Draw the structure of (a) Thymine (b) Uracil (c) Guanine

Part B: Answer the following question (5 Mark).

1. Write a note on different level of protein structure