

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

Test -2 EXAMINATION, October 2017

B.Tech I Semester

COURSE NAME: Cell Biology

MAX.MARKS:25

COURSE CODE: 13B11BT112

MAX.TIME: 1 hour, 30 min.

Note: Carrying of mobile phones during examination will be treated as a case of unfair means.

1. Write a note on the folding patterns of proteins. [2 Marks]
2. Explain the mechanisms of length determination for large protein assemblies.
[2 Marks]
3. How membrane proteins are classified? Explain with examples. [3 Marks]
4. Define:- Protein domain, protein subunit, gene regulatory protein. [3 Marks]
5. Changes in proteins are driven by phosphorylation. Explain with examples [5 Marks]
6. Write a note on membrane transport proteins. [5 Marks]
7. Diagrammatically explain the stages of cellular metabolism that lead from food to waste products in animal cells. [5 Marks]