

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- DEC 2018

B.Tech III Semester

COURSE CODE: 14B11BI311

MAX. MARKS: 35

COURSE NAME Microbiology and Immune System

COURSE CREDITS: 4

MAX. TIME: Two Hours

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

Q1. Write Notes on the following with suitable diagrams wherever required: [CO – II] [3 X 4 = 12]

1. Phagocytosis
2. Inflammation
3. Types and detailed structure of Antibodies

Q2. Describe 'Cell Mediated Immune response', discussing the role of different cell types and MHC molecules. [CO-V] [8]

Q3. What is Agglutination reaction? Elaborate the method to identify Blood group of a person.

Discuss the immunological basis of blood transfusion in individuals. [CO-I] [5]

Q4. Describe Natural and Artificial Immunity and their types with examples. [CO-V] [5]

Q5. Describe primary and secondary response development when a pathogen infects a host. Discuss how an antibody response may protect the host against future infections with graphical Illustrations.

CO - IV [5]