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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

T1 EXAMINATION - February 2020

MSc II Semester

COURSE CODE: 18MS1BT211

MAX. MARKS: 15

COURSE NAME: IMMUNOLOGY AND IMMUNOTECHNOLOGY

COURSE CREDITS: 03

MAX. TIME: 1.0 HRS

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

(CO; Marks)

1. Explain following:- (CO1&2; 5)
 - a. Adaptive immunity
 - b. Superantigens
 - c. Passive agglutination
 - d. Adjuvants
 - e. Allotypic determinants
2. What is prozone effect? Give various reasons that lead to this effect. (CO2; 2)
3. Write a note on Radioimmunoassay (RIA) and Immunofluorescence. (CO2; 2)
4. Briefly describe the three major events in the inflammatory response. (CO1; 2)
5. Justify the statement " T_H cells play a central role in the immune response". (CO1; 2)
6. Give an experimental demonstration that most of the antibodies are in the gamma-globulin fraction of the serum proteins. (CO2; 2)