

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

Test -1 EXAMINATION, September 2018

**B.Tech (BT)**

COURSE NAME: IMMUNOLOGY

MAX.MARKS:15

COURSE CODE: 10B11BT514

MAX.TIME: 1.5 HR.

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

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1. Explain followings:- (5X1 = 5)
  - a. Microfold cell.
  - b. Adaptive Immunity.
  - c. What are various modes of action of adjuvants? (Give names only).
  - d. T-independent antigens.
  - e. What are various types of defensive barriers of innate immunity?
  
2. Give an overview of humoral and cellular immune response. (2)
3. Describe various events taking place in the inflammatory response. (2)
4. Draw a well labelled cross section of a portion of Thymus. (2)
5. What are monoclonal antibodies? Describe various steps of Hybridoma Technology. (2)
6. What do you understand by immunogenicity and antigenicity? Name various factors that influence immunogenicity. (2)