

JAYPEE UNIVERSITY OF INFORMATRION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION, September-2016

B.Tech V Semester (Biotechnology)

COURSE CODE: 10B11BT514

MAX. MARKS: 15

COURSE NAME: Immunology

COURSE CREDITS: 04

MAX. TIME: 1.0 HR

Note: All questions are compulsory; Carrying of mobile phone during examination will be treated as case of unfair means. Attempt all questions

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- Marks  
(5X1=5)
1. Explain followings:-
    - a. Innate Immunity.
    - b. Various events occurring during tissue damage/inflammation.
    - c. Humoral and cell mediate immune response.
    - d. Antibody dependent cell mediated cytotoxicity (ADCC).
    - e. Primary and secondary immune response.
  2. In an experiment, mice from the strain C were transplanted with skin from the mice of strain B twice. The first transplant took 10-14 days to be rejected but second graft from the same strain took 4-8 days. Explain your answer with reasons. (3)
  3. Give diagrammatic representation of cross-section of thymus with detailed labeling. (3)
  4. Name various factor influencing immunogenicity. Give detailed description of various factors contributed by immunogen. (2)
  5. What are adjuvants? What are their modes of action? (2)