

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- May-2018

B.Tech VIII Semester

COURSE CODE: 15B1WBT839

MAX. MARKS: 35

COURSE NAME: INFECTIOUS DISEASES

COURSE CREDITS: 03

MAX. TIME: 2 HRS

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

Q1. Answer the following Short Answer Questions:

(3 X 5 =15)

- Major challenges to implement host based diagnostic methods from lab to field.
- Detection of cell viability using Flow Cytometry.
- Why histopathology is considered to be most important part in diagnosis of a disease? Why is it important to remove water completely from tissue sections while preparing for histopathological examination?
- What is meant by 'Gating' in flow cytometry, explain its utility with an example?
- What types of damage does Leprosy cause to the host? Can leprosy be transmitted from an infected individual?

Q2. What do you understand by "Ayushman Bharat"? Describe salient features, implementation strategy and major outcomes of the scheme? (5 marks)

Q3. Explain mechanism of action of Diphtheria toxin with suitable diagrams. (5 marks)

Q4. Explain the life cycle of Zika virus with diagrams? (5 marks)

Q5. What is trachoma? Discuss the pathogenesis of the bacteria *Chlamydia trachomatis* in the infection with diagrams. (5 marks)