

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION- Feb 2020
B.Tech. VIIIth Semester

COURSE CODE: 15B1WBT839

MAX. MARKS: 15

COURSE NAME: INFECTIOUS DISEASES

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.

Q1. Differentiate between the following.

(2 mark) (COI)

- a) Asymptomatic disease and Symptomatic disease
- b) Chronic infectious diseases and Acute infectious diseases

Q2. Write steps for differentiating colonization from infection in context of anti-infective therapy.

(2 marks) (COI)

Q3. Explain how 'latent TB' infection (LTBI) is differed from 'active TB' disease? Also explain the significance of 'granuloma' structures in tuberculosis.

(2 mark) (COI)

Q4. Explain in brief importance of following parameters in antibiotic dosing

(3 marks) (COI)

- a) Time above MIC b) C_{MAX}/MIC c) AUC/MIC

Q5. Explain the following with suitable examples

(6 mark) (COI,II)

- a) Koch's Postulates
- b) Epidemiology and its aim
- c) Steps required by bacterium for successful infection