

Dr Harish

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

T3 EXAMINATION- May 2019

B.Tech. (Biotechnology) 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.*

1. What do you understand by economic and social impact of an emerging infectious disease? Discuss impact of recent SARS epidemics. [CoI,III; 3]
2. Discuss various factors that contribute to emergence / re-emergence of infectious diseases. [CoI; 2]
3. Discuss various mechanisms of (1) action of anti-bacterial drugs and (2) anti-bacterial resistance. [CoV; 5]
4. Give mechanisms of action of (1) acyclovir and (2) interferons. [CoV; 5]
5. Discuss infectious disease diagnostic techniques (1) Ribotyping and (2) RAPD. [CoIV; 5]
6. Describe life cycle of Human Immunodeficiency Virus. [CoIII,IV; 5]
7. What are various symptoms of Influenza infection? Draw its replication mechanism. [CoIII,IV; 5]
8. What are clinical symptoms and diagnosis methods for SARS virus infection? [CoIII; 5]