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**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT**  
**MAKEUP EXAMINATION- APRIL -2018**

**B.Tech VIII Semester**

COURSE CODE: 15B1WBT839

MAX. MARKS: 25

COURSE NAME: INFECTIOUS DISEASES

MAX. TIME: 1 HRS 30 Mins

COURSE CREDITS: 03

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

Q1. Draw the life cycle of a malarial parasite. Discuss important stages of the life cycles which can be targeted for vaccine intervention strategies and significance of each stage targeted. [5]

Q2. With reference to Urinary tract infections answer the following: [2.5 X 2 = 5]

- i. Risk factors and recommended general therapies.
- ii. Mechanism of action of Fluoroquinolones and recent advances in tackling UTI.

Q3. With reference to Clinical Trials answer the following: [3 + 2 = 5]

- i. Pre-clinical studies and types of pre-clinical studies.
- ii. Phases of Clinical Trials.

Q4. Discuss treatment, vaccine status and diagnostic methods for Elephantiasis. [5]

Q5. Draw a well-labelled diagram of HIV. Discuss 'Latent HIV' and current line of treatment used for HIV/AIDS. [5]