

**M. SC. (MEDICAL BIOTECHNOLOGY) SEM-II (CHOICE  
BASED CREDIT SYSTEM) : WINTER - 2017  
SUBJECT : INFECTIOUS DISEASES**

Day : **Thursday**  
Date : **02/11/2017**

Time : **10.00 AM TO 01.00 PM**  
Max. Marks : 60

**W-2017-1053**

**N.B.:**

- 1) **Q.No.1 and Q.No. 5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Toxic shock syndrome
  - b) Malignant pustule
  - c) Widal test
  - d) Diarrhogenic *E.coli*
  - e) VDRL Test
  - f) DPT vaccine
- Q.2** Answer the following questions: [10]
- a) Write laboratory diagnosis of meningococcal meningitis.
  - b) Write laboratory diagnosis of cholera.
- Q.3** Describe morphology of *Mycobacterium tuberculosis* and laboratory diagnosis of pulmonary tuberculosis. [10]
- Q.4** Answer the following questions: [10]
- a) Discuss pathogenesis and laboratory diagnosis of gas gangrene.
  - b) Write laboratory diagnosis of relapsing fever.

**SECTION – II**

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Actinomycosis
  - b) MMR vaccine
  - c) Classification of Herpes virus
  - d) Extra intestinal amoebiasis
  - e) Hepatitis A virus
  - f) Draw a well labeled diagram of HIV.
- Q.6** Answer the following questions: [10]
- a) Draw life cycle of malarial parasites and write its laboratory diagnosis.
  - b) Laboratory diagnosis of cryptococosis.
- Q.7** Describe morphology, life cycle, pathogenesis and laboratory diagnosis of Ascariasis. [10]
- Q.8** Answer the following questions: [10]
- a) Laboratory diagnosis of Kala azar.
  - b) Laboratory diagnosis of Hepatitis B.