

**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 cryptococcosis.
- 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.