

**M. SC. (MEDICAL BIOTECHNOLOGY) SEM-II (CHOICE
BASED CREDIT SYSTEM) : SUMMER - 2018
SUBJECT : INFECTIOUS DISEASES**

Day : **Monday**
Date : **16/04/2018**

Time : **10.00 AM TO 01.00 PM**

S-2018-1168 Max. Marks : 60

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) Diene's phenomenon
 - b) Satelitism
 - c) Lepromin test
 - d) Weil-Felix reaction
 - e) Nagler reaction
 - f) BCG Vaccine
- Q.2** Answer the following questions: [10]
- a) Write laboratory diagnosis of urinary tract infection.
 - b) Discuss laboratory diagnosis of gonorrhoea.
- Q.3** Describe morphology, cultivation of vibrio cholerae and discuss the pathogenesis and laboratory diagnosis of cholera. [10]
- Q.4** Answer the following questions: [10]
- a) Write pathogenicity and laboratory diagnosis of streptococcus pyogens.
 - b) Give laboratory diagnosis of Typhoid.

SECTION – II

- Q.5** Answer **ANY FIVE** of the following: [10]
- a) Rhinosporidiosis
 - b) Rabies vaccine
 - c) Casoni's test
 - d) Life Cycle of Ancylostoma duodenales
 - e) Give any four examples of superficial mycoses.
 - f) Write structure of hepatitis B.
- Q.6** Answer the following questions: [10]
- a) Laboratory diagnosis of amoebiasis.
 - b) Laboratory diagnosis of candidiasis.
- Q.7** Discuss the life cycle and laboratory diagnosis of Ascaris lumbricoides. [10]
- Q.8** Answer the following questions: [10]
- a) Describe life cycle and laboratory diagnosis of Giardiasis.
 - b) Describe the structure, pathogenesis of HIV and discuss laboratory diagnosis of AIDS.

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