

**M. SC. (Microbiology) SEM-IV (C.B.C.S.) (2012 COURSE) : WINTER
- 2018**

SUBJECT : MEDICAL MICROBIOLOGY

Day : Monday
Date : 22/10/2018

W-2018-1030

Time : 03.00 PM TO 06.00 PM
Max. Marks :60

N. B. :

- 1) All the questions are **COMPULSORY**.
 - 2) Figures to be right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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Q.1 Give causative agent, laboratory diagnosis, clinical features and treatment of Syphilis. (15)

OR

Explain life cycle of *Plasmodium*. Explain the clinical features of Malaria.

Q.2 a) Explain the pathogenesis of *Shigella*. (08)

b) Draw the structure of Influenza virus and write a note on antigenic shift. (07)

Q.3 Answer the following questions any **THREE**: (15)

- a) What are nosocomial infections?
- b) Explain septic shock.
- c) Write in brief the symptoms of Cholera.
- d) What is quorum sensing? Explain with examples.
- e) Explain interaction of Polio virus with immunoglobulin like cell receptor.

Q.4 Write short notes on any **THREE**: (15)

- a) Prevention of burn infections
- b) Purpuric eruptions
- c) Dermatophytosis
- d) Bacteraemia
- e) Dengue haemorrhagic fever

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