

M. SC. (MICROBIOLOGY) SEM-IV (C.B.C.S.) (2012 COURSE) :

SUMMER - 2018

SUBJECT : MEDICAL MICROBIOLOGY

Day : **Tuesday**
Date : **24/04/2018**

S-2018-0912

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

N.B.

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

OR

Give the causative agent, pathogenesis lab diagnosis and treatment of cholera.

Q.2 a) Explain the molecular interaction between Human Rhinoviruses and the Adhesion Receptor ICAM-1. **(08)**

b) What is Quorum sensing? Explain in detail bacterial quorum sensing.

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

a) Explain the interactions of Poliovirus with immunoglobulin like cell receptor.

b) What is the difference between primary and secondary syphilis?

c) Describe in detail systemic candidiasis.

d) Write difference between diarrhoea and dysentery.

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

a) Bacteraemia

b) Gonorrhoea

c) Control of infections in hospitals

d) Invasive aspergillosis

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