

M. D. (MICROBIOLOGY) : WINTER - 2017
SUBJECT : PAPER-II – SYSTEMIC BACTERIOLOGY AND MYCOLOGY

Day : Monday
Date : 04/12/2017

W-2017-3330

Time : 2.00 P.M. TO 5.00 P.M
Max. Marks : 100.

N.B.:

- 1) Q. No. 1 and Q. No. 2 are **COMPULSORY**.
 - 2) Answer any **SEVEN** questions from Q. No. 3 to Q. No. 10
 - 3) Figures to the **RIGHT** indicate full marks.
 - 4) Draw neat labeled diagrams **WHEREVER** necessary.
-

- Q.1** Discuss the laboratory diagnosis of Human Leptospirosis and add a note on various species circulating in India. (15)
- Q.2** Define mycetoma. Enumerate the types of mycetoma and their causative agents. Write in detail the laboratory diagnosis of eumycotic mycetoma. (15)
- Q.3** Laboratory diagnosis of TB as per RNTCP protocol. (10)
- Q.4** Enumerate bacterial zoonotic infections. Describe Brucellosis in detail. (10)
- Q.5** Describe HACEK organisms and their importance in hospital. (10)
- Q.6** Methods of MRSA detection. (10)
- Q.7** Fungi causing CNS infections and write their laboratory diagnosis. (10)
- Q.8** Describe Zygomycosis and write down laboratory diagnosis. (10)
- Q.9** Describe antifungal susceptibility testing. (10)
- Q.10** Describe pathogenesis and laboratory diagnosis of Mycoplasma pneumonia. (10)

* * *