

M. D. (Microbiology) : WINTER - 2018
SUBJECT: PAPER – II
(SYSTEMIC BACTERIOLOGY AND MYCOLOGY)

Day: Monday
Date: 03/12/2018

W-2018-3556

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**. Write any **SEVEN** out of remaining eight questions.
 - 2) The number to the right indicates **FULL** marks
 - 3) Draw neat and labeled diagram **WHEREVER** necessary
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- Q.1** Enumerate bacterial zoonotic infections. Describe Brucellosis in detail. **(15)**
- Q.2** Enumerate subcutaneous fungal infections. Discuss the etiology, pathogenesis and lab diagnosis of mycotic mycetoma. **(15)**
- Q.3** Discuss the role of non – fermenters in nosocomial infections. **(10)**
- Q.4** What are HACEK group of organisms. What are the characteristics and which major diseases are caused by them. **(10)**
- Q.5** What are the fungi causing CNS infections and write their laboratory diagnosis. **(10)**
- Q.6** What are the methods of detection of drug resistance in M. tuberculosis? **(10)**
- Q.7** Discuss the lab diagnosis of Sporothrix schenckii. **(10)**
- Q.8** Describe the laboratory diagnosis of streptococcal pneumonia. Add a note on pneumococcal vaccine. **(10)**
- Q.9** Enumerate causative agents of Rickettsial infections with their vectors and describe typhus fever in detail **(10)**
- Q.10** Role of different blood culture systems in the diagnosis of typhoid fever. **(10)**

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