

**M. D. (MICROBIOLOGY) : SUMMER - 2018**

**SUBJECT: PAPER – II  
(SYSTEMIC BACTERIOLOGY AND MYCOLOGY)**

Day: **Monday**  
Date: **04/06/2018**

**S-2018-3412**

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

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**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 bacteria causing sexually transmitted diseases. Describe **(15)** *Neisseria gonorrhoeae* in detail. Add a note on its drug resistance.
- Q.2** Discuss fungal infections of the eye. **(15)**
- Q.3** Discuss mechanism of resistance, phenotypic and genotypic detection of **(10)** MRSA with their clinical implications.
- Q.4** Describe recent methods used in the diagnosis of *M. tuberculosis*. **(10)**
- Q.5** Describe antifungal susceptibility testing. **(10)**
- Q.6** Enumerate various non – sporing anaerobes involved in human infections **(10)** along with their pathogenesis and laboratory diagnosis.
- Q.7** Discuss etiology, pathogenesis and laboratory diagnosis of Weils disease **(10)**
- Q.8** What is Atypical pneumonia? Discuss *mycoplasma pneumoniae*? **(10)**
- Q.9** Describe dermatophytosis and its laboratory diagnosis. **(10)**
- Q.10** Enumerate various yeast and yeast like fungi. Discuss their identification **(10)** and importance in human infections.

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