

M. D. (Microbiology) : WINTER - 2018

**SUBJECT: PAPER – IV
(RECENT ADVANCES)**

Day: Friday
Date: 07/12/2018

W-2018-3558

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 emerging viral infections in India and describe in detail any one of them. **(15)**
- Q.2** Describe commonly encountered device associated hospital acquired infections and their laboratory diagnosis. Add a note on prevention of these infection **(15)**
- Q.3** What strategy will you use in your hospital to control nosocomial infection? **(10)**
- Q.4** Discuss automation in diagnostic microbiology. **(10)**
- Q.5** Discuss the basic concept of the polio eradication programme and the differences between different polio vaccines. **(10)**
- Q.6** Describe blotting techniques used in diagnostic microbiology. **(10)**
- Q.7** What are the different types of vancomycin resistance in enterococci? Elaborate the detection methods of vancomycin resistance as per CLSI guidelines. **(10)**
- Q.8** Write in detail about ESBL detection and their clinical importance. **(10)**
- Q.9** Discuss pathogenesis and clinical manifestation of Parvo Virus. **(10)**
- Q.10** Discuss swimming pool associated protozoal infections. **(10)**

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