

**M. D. (Microbiology) : SUMMER - 2019**  
**PAPER - III**  
**SUBJECT : VIROLOGY AND PARASITOLOGY**

Day : Thursday  
Date : 06/06/2019

**S-2019-3827**

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

**N.B. :**

- 1) Question **No. 1** and **No. 2** are **COMPULSORY**. Write **ANY SEVEN** out of the remaining **EIGHT** questions.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labelled diagrams **WHEREVER** necessary.

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- Q.1** Describe Lab diagnosis of HIV infection and add a note on Strategies of HIV testing in India **(15)**
- Q.2** Describe the life cycle, pathogenesis and Lab diagnosis of Plasmodium falciparum. **(15)**
- Q.3** Describe etiopathogenesis and lab diagnosis of Dengue fever. **(10)**
- Q.4** Describe the lab diagnosis and prophylaxis of Rabies. **(10)**
- Q.5** Describe prion associated diseases in man. **(10)**
- Q.6** Write about Ocular parasites. **(10)**
- Q.7** Discuss extra intestinal amoebiasis. **(10)**
- Q.8** Discuss serological tests for diagnosis of syphilis. **(10)**
- Q.9** What are viral haemagglutinins and their significance? **(10)**
- Q.10** Enumerate various Cestodes infecting man. Briefly write about the life cycle and lab diagnosis of Echinococcus granulosus. **(10)**

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