

M. D. (Microbiology) : WINTER - 2018
SUBJECT: PAPER – III
(VIROLOGY AND PARASITOLOGY)

Day: Wednesday
Date: 05/12/2018

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

W-2018-3557

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** What are Arboviruses? List the arboviruses reported in India along with their vectors. Describe the epidemiology of Japanese encephalitis with respect to India and advances in its prophylaxis. **(15)**
- Q.2** Enumerate parasites causing anemia. Describe the life cycle pathogenicity and laboratory diagnosis of *Leishmania donovani*. **(15)**
- Q.3** Discuss briefly tissue culture methods. **(10)**
- Q.4** Describe morphology, pathogenesis and laboratory diagnosis of Hepatitis B infection. **(10)**
- Q.5** What are Oncogenes? Describe Oncogenic viruses. **(10)**
- Q.6** Describe methods of cultivation of parasites. **(10)**
- Q.7** Enumerate agents causing filariasis. Describe the pathogenesis and laboratory diagnosis of the *Wuchereria Bancrofti*. **(10)**
- Q.8** Discuss laboratory diagnosis of Parasitic keratitis. **(10)**
- Q.9** Enumerate diarrhea causing viruses and describe Rota virus. **(10)**
- Q.10** Describe immunoprophylaxis of viral infections. **(10)**

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