

(LF 119)

OCTOBER 2014

Sub. Code:2016

**M.D. DEGREE EXAMINATION  
BRANCH IV - MICROBIOLOGY  
PAPER III - VIROLOGY AND PARASITOLOGY  
Q.P.Code: 202016**

**Time: Three Hours**

**Maximum: 100 marks**

**I. Essay Questions:**

**(2 x 10 = 20)**

1. Enumerate viruses causes causing Hepatitis. Discuss in detail pathogenesis, lab diagnosis and prophylaxis of Hepatitis B viruses. Add a note on recent concepts about viral hepatitis.
2. Mention parasitic zoonotic diseases. Describe the morphology, life cycle, pathogenesis and lab diagnosis of Echinococcus granulosus.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Ebola virus.
2. Cultivation of viruses.
3. Examination of blood for microfilaria and its interpretations.
4. Granulomatous amoebic encephalitis.
5. Types of specimens to be sent for virus diagnosis.
6. Japanese encephalitis.
7. Schistosoma hematobium.
8. Stool concentration methods.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Several markers have been described for differentiating wild strains of polio virus from the attenuated strains.
2. Haemagglutination is a convenient method of detection and assay of influenza virus.
3. Pseudocyst of Toxoplasma gondii is responsible for causing extensive tissue damage to the tissue.
4. This worm a habitual blood sucker is primarily responsible for anaemia.

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Trophozoite induced malaria.
2. Tzanck smear.
3. Common syndromes associated with Adenovirus infection.
4. Defective viruses.
5. Xenodiagnosis.
6. Delhi Boil.
7. Enumerate developmental stages of Trypanosomatid flagellates.
8. Egg of Clonorchis sinensis.
9. Zidovudine.
10. Anisakiasis.

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