

[LG 119]

APRIL 2015

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**

**Answer ALL questions in the same order.**

**I. Essay:**

**(2 x 10 = 20)**

1. Enumerate the Zoonotic viral infections. Discuss in detail the morphology, pathogenesis, laboratory diagnosis and prophylaxis of Rabies.
2. Classify Trematodes. Write in detail the morphology, life cycle, pathogenesis, and laboratory diagnosis of Schistosoma haematobium.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Genital parasitic infections.
2. Interferons.
3. Human Papilloma virus.
4. Blood examination in Parasitic infections.
5. Laboratory diagnosis of Leishmaniasis.
6. Malarial vaccines.
7. Post Exposure Prophylaxis in HIV.
8. Hanta Virus.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. People are advised to drink boiled water in endemic Guinea worm infection.
2. Nocturnal smears are better in the diagnosis of filariasis.
3. Non enveloped viruses are generally resistant to ether.
4. Latent infections are more common in Herpes virus infection.

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Dengue Shock syndrome.
2. Defective viruses.
3. Recrudescence.
4. Australia Antigen.
5. Prions.
6. Operculated eggs.
7. Anisakis marina.
8. Sparganosis.
9. Parasites causing haematuria.
10. Eosinophilic meningoencephalitis.

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