



[KT 541]

AUGUST 2008

Sub. Code : 4062

**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper II – VIROLOGY, MYCOLOGY, PARASITOLOGY**  
**AND APPLIED MICROBIOLOGY**

***Q. P. Code : 524062***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. Describe the morphology, life cycle, pathogenesis, and laboratory diagnosis of *Echinococcus granulosus*.
2. Classify Herpes Viruses.  
Describe the morphology, pathogenesis and laboratory diagnosis of acute Herpes Simplex virus.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Morphology and laboratory diagnosis of kalaazar.
2. Laboratory diagnosis of Urinary Tract Infection.
3. Differences between ortho myxo and Paramyxo viruses.
4. Sporotrichosis.
5. *Cryptosporidium parvum*.
6. Coxsackie Viruses.
7. Universal Precautions.
8. Primary amoebic meningoencephalitis.
9. *Cryptococcus neoformans*.
10. Microfilaria.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Vaccines against poliomyelitis.
2. Four arbovirus infections prevalent in India.
3. Delta Hepatitis agent.
4. Draw the ovum of *Enterobius vermicularis*.
5. Two parasites infecting the eye.
6. Name two parasites causing (a) Anemia and (b) Visual larva migrans.
7. Chlamydospore.
8. Name two fungi causing oculomycosis.
9. Enumerate four dermatophytes.
10. Four organisms causing Mycetoma.

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