



[KV 541]

AUGUST 2009

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. Name the viruses infecting the liver.

Write the morphology, pathogenesis lab diagnosis and prophylaxis of hepatitis B virus.

2. Name the Haemoflagellates.

Write the morphology, life cycle, clinical features and lab diagnosis of kala azar.

II. Write Short notes on :

(10 x 5 = 50)

1. Viral multiplication.

2. Mycetoma.

3. Interferons.

4. Chikungunya virus.

5. Free living amoebae.

6. Life cycle of *Balantidium coli*.

7. Life cycle of *taenia solium*.

8. Stool examination of parasitic infections.

9. Candidiasis.

10. Dermatophytes.

III. Short Answer Questions :

(10 x 2 = 20)

1. Morphology of HIV virus.

2. Von magnus phenomenon.

3. Write four differences between salk and sabin vaccines.

4. Paul Bunnell test.

5. Draw the morphology of penicillium.

6. Name two pigment producing fungi.

7. Life cycle of *taenia saginata*.

8. Draw the diagram of ascaris egg.

9. N.N.N. Medium (Novy, Bicolle, Mcneal).

10. Name four opportunistic parasitic infections in AIDS.

