



[LB 541]

AUGUST 2012

Sub. Code : 4062

SECOND M.B.B.S. DEGREE EXAMINATION

Paper II – VIROLOGY, MYCOLOGY, PARASITOLOGY
AND APPLIED MICROBIOLOGY

Q. P. Code : 524062

Time : 180 Minutes

Maximum: 40 Marks

Answer ALL questions.

Draw Suitable diagrams wherever necessary

I. Elaborate on:

Pages (Max.)	Time (Max.)	Marks (Max.)
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|--|----|----|----|
| 1. Classify filarial worms. Write in detail about the life cycle, pathogenesis and laboratory diagnosis of Wuchereria bancrofti. | 16 | 30 | 10 |
| 2. Name the hepatotropic viruses. Write in detail about the pathogenesis and laboratory diagnosis of hepatitis B virus. | 8 | 20 | 5 |

II. Write notes on:

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|--|---|---|-----|
| 1. Viral haemagglutinin. | 3 | 8 | 1.5 |
| 2. Polio vaccine. | 3 | 8 | 1.5 |
| 3. Cytomegalovirus. | 3 | 8 | 1.5 |
| 4. Chromomycosis. | 3 | 8 | 1.5 |
| 5. Mycotic keratitis. | 3 | 8 | 1.5 |
| 6. Giardiasis. | 3 | 8 | 1.5 |
| 7. Polymerase chain reaction. | 3 | 8 | 1.5 |
| 8. Role of vectors in transmission of infectious agents. | 3 | 8 | 1.5 |
| 9. Normal microbial flora. | 3 | 8 | 1.5 |
| 10. Trichinellosis. | 3 | 8 | 1.5 |

III. Short Answers:

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| 1. Viral plaques. | 2 | 5 | 1 |
| 2. Name four oncogenic viruses. | 2 | 5 | 1 |
| 3. Name four viruses transmitted through mosquito. | 2 | 5 | 1 |
| 4. Ectothrix. | 2 | 5 | 1 |
| 5. Classify fungi based on morphology. | 2 | 5 | 1 |
| 6. Name four dimorphic fungi. | 2 | 5 | 1 |
| 7. Diagnosis of congenital HIV infection. | 2 | 5 | 1 |
| 8. Fungal spores. | 2 | 5 | 1 |
| 9. Name four parasites do not require intermediate host. | 2 | 5 | 1 |
| 10. Name two viviparous nematode. | 2 | 5 | 1 |

