9672_2007_2

Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (MLT) Degree Examination
September 2007

Time: 3 Hours] [Max. Marks: 100

MICROBIOLOGY - I

QP Code : 9672

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. Section A and section B are to be written in same Answer Book.

Section A - Clinical Microbiology [50 Marks]

NG ESSAY

1 X 20 = 20 Marks

Classify Clostridia of medical importance. Discuss the pathogenesis, laboratory diagnosis and prophylaxis of gas gangrene

ORT ESSAY

5 X 6 = 30 Marks

Laboratory diagnosis of mycetoma

Diarrhoeagenic Escherichia coli

Cryptococcus neoformans

Prophylaxis of polio

Life cycle and laboratory diagnosis of Enterobius vermicularis

Section B - Immunology and Molecular Biology [50 Marks]

NG ESSAY

1 X 20 = 20 Marks

Describe the events that occurs at transcription in eukaryotes

RT ESSAY

5 X 6 = 30 Marks

Nephelometry

Primary immune response

Immunofluorescence

Difference between B and Z DNA

T cell receptor

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35

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e: 3 Hours] [Max. Marks: 100]

HAEMATOLOGY AND BLOOD TRANSFUSTION - I

(1)

QP Code : 9673

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Sectioin A - Haematology and Clinical Pathology [50 Marks]

G ESSAY 1 X 20 = 20 Marks

Describe the investigations for haemorrhagic disorders with a note on its clinical significance

RT ESSAY 5 X 6 = 30 Marks

Discuss the clinical features and the peripheral blood picture of chronic myeloid leukaemia

Explain the technique of Ziehl-Neelsen staining and its importance

Discuss lipid storage disorders

Describe the microscopic examination of Synovial fluid

Comment on normal haemostasis

Section B - Immunology and Medical Genetics [50 Marks]

G ESSAY 1 X 20 = 20 Marks

Explain the methods for chromosome analysis

RT ESSAY 5 X 6 = 30 Marks

Discuss the clinical and immunological features of Myasthenia gravis

Describe X-linked inheritance with one example

Explain the clinical and immunological features of leprosy

Comment on the major new developments in medical genetics

Enumerate tumor markers with notes on clinical significance.

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