M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – FEBRUARY 2008 PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Monday, February 04, 2008

Write your answers that are brief, clear, relevant and legible.

Time available: 3 Hours

ex

Answer ALL the questions.

Write short notes on:

Bacterial capsule.

Passive immunity.

Natural killer cells.

Scanning electron microscopy.

Plasmids.

3E

20	appropriate.	5 WHETEVET
1.	Define and classify sterilization. Describe the moist heat methods of sterilization.	(25 marks)
2.	Describe the immunoserological methods of diagnosis of diseases.	(25 marks)

Illustrate your enswers with neetly drawn and correctly labelled diagrams wherever

Maximum Marks: 100

M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – FEBRUARY 2008

PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Tuesday, February 05, 2008

Ø	Write your answers that are brief, clear, relevant and legible.
Ø	Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.
1.	Describe the pathogenesis, laboratory diagnosis and prevention of cholera.

Enumerate yeasts of clinical importance. Describe the pathogenesis and laboratory diagnosis of cryptococcosis.

(25 marks)

(25 marks)

Maximum Marks: 100

3. Write short notes on:

Time available: 3 Hours

Answer ALL the questions.

- 3A. Enterococci.
- 3B. Prevention of enteric fever.3C. Chromoblastomycosis.
- 3D. Helicobacter pylori.
- 3E. Multidrug resistant tuberculosis.

M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – FEBRUARY 2008 PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, February 06, 2008

Write your answers that are brief, clear, relevant and legible.

E	Illustrate your answers with neatly drawn and correctly labelled diagrams wherever
	appropriate.
1.	Classify Enteroviruses. Discuss the pathogenesis, laboratory diagnosis and prophylaxis of
	Poliomyelitis.
	(25 marks)

Describe the life cycle, pathogenesis and laboratory diagnosis of *Toxaplasma gondii*.

Write short notes on:

Time available: 3 Hours

es

Answer ALL the questions.

3A. Hydatid cyst.

3.

- 3B. Hepatitis B markers.
- 3C. MMR vaccines.
- 3D. Microfilaria.
- 3E. Cultivation of Leishmania donovani.

(25 marks)

Maximum Marks: 100

M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – AUGUST 2008

PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Monday, August 04, 2008

Illustrate your answers with neatly drawn and correctly labelled diagrams wherever

Write your answers that are brief, clear, relevant and legible.

Maximum Marks: 100

 $(10 \times 5 = 50 \text{ marks})$

Time available: 3 Hours

appropriate.

Superantigens.

ES

ES

3E.

Answer ALL the questions.

Describe noncultural methods for the diagnosis of infectious diseases.
 (25 marks)

 Define and enumerate Antigen- antibody reactions. Describe immunofluorescence.

 Write short notes on:
 3A. Cytoplasmic membrane.
 3B. Tyndallization.
 3C. HLA typing.
 3D. Complement.

M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – AUGUST 2008 PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Tuesday, August 05, 2008

Write your answers that are brief, clear, relevant and legible.

Maximum Marks: 100

 $(10 \times 5 = 50 \text{ marks})$

Time available: 3 Hours

es

K

Answer ALL the questions.

Illustrate your answers with neatly drawn and correctly labelled diagrams wherever ES appropriate. 1. Describe the pathogenesis and laboratory diagnosis of brucellosis. (25 marks) Describe the pathogenesis and laboratory diagnosis of diarrhoea caused by diarrhoeagenic Escherichia coli. (25 marks) Write short notes on: Candidiasis. 3A. 3B. Histoplasma capsulatum. 3C. Zygomycosis. Botulism. 3D. Haemophilus influenzae. 3E.

M. Sc. (FINAL) MICROBIOLOGY DEGREE EXAMINATION – AUGUST 2008 PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, August 06, 2008

Illustrate your answers with neatly drawn and correctly labelled diagrams wherever

Write your answers that are brief, clear, relevant and legible.

Maximum Marks: 100

 $(10 \times 5 = 50 \text{ marks})$

Time available: 3 Hours

annvanviata

ES

es

ES

Answer ALL the questions.

	appropriate.	
1.	Describe the pathogenesis, laboratory diagnosis and prophylaxis of Poliomyelitis. on pulse polio immunization.	Add a note
		(25 marks)
2.	Discuss in detail the laboratory diagnosis of parasitic diseases.	(25 marks)
3.	Write short notes on:	
3A.	Japanese encephalitis.	
3B.	Falciparum malaria.	
3C.	Laboratory diagnosis of hydatid disease.	
3D.	Rotavirus.	
3E.	Giardia lamblia.	