Reg. No.	-		
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MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2007

SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

	Monday, April 02, 2007	
Time	e: 3 Hrs.	Max. Marks: 100
赵 赵 赵	Answer all questions. Write answers that are brief, clear, relevant and legible. Illustrate your answers with neatly drawn and correct appropriate.	y labeled diagrams wherever
1.	Define and classify sterilization. Describe in detail sterilization	n by heat.
		(25 marks)
2.	Enumerate Antigen-Antibody reactions. Discuss the principle reaction.	ciple and uses of precipitation
		(25 marks)
3.	Write short notes on:	
3A.	Plasmids.	
3B.	Southern Blot.	
3C.	Anaphylaxis.	
3D.	Continuous cultures.	
3E.	Fluorescent microscopy.	
		$(10\times5 = 50 \text{ marks})$

Reg. No.				
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MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Tuesday, April 03, 2007

Time: 3 Hrs.

Max. Marks: 100

- Answer all questions.
- Write answers that are brief, clear, relevant and legible.
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever appropriate.
- 1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of pulmonary tuberculosis.

(25 marks)

Discuss subcutaneous mycoses.

(25 marks)

- 3. Write short notes on:
- 3A. Mycotoxins.
- 3B. TRIC agents.
- 3C. Non venereal treponematoses.
- 3D. Drug resistance in Salmonella typhi.
- 3E. Non-sporing anaerobes.

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

Reg. No.			

MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, April 04, 2007

Time: 3 Hrs.

Max. Marks: 100

- Write answers that are brief, clear, relevant and legible.
- Illustrate your answers with neatly drawn and correctly labeled diagrams wherever appropriate.
- Enumerate the parasites infecting liver. Describe the life cycle, pathogenesis and laboratory diagnosis of Echinococcus granulosus.

(25 marks)

 Classify Enteroviruses. Discuss the pathogenesis, laboratory diagnosis and prophylaxis of Poliomyelitis. Add a note on Pulse Polio Immunisation.

(25 marks)

- Write short notes on:
- 3A. Epstein Barr virus.
- 3B. Laboratory diagnosis of falciparum malaria.
- 3C. Viral gastroenteritis.
- 3D. Cryptosporidiosis.
- 3E. Enterobius vermicularis.

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

Reg. No.		
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MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2007

SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

Thursday, April 05, 2007

Time: 3 Hrs.

Max. Marks: 100

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

(25 marks)

Discuss the various typing methods in bacteriology.

(25 marks)

- 3. Write short notes on:
- 3A. Real time PCR.
- 3B. Ethical issues in HIV vaccine trial.
- 3C. HLA typing.
- 3D. Vancomycin resistant Enterococci.
- 3E. Typhoid Vaccines.

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