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## MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

#### Answer ALL questions.

1. Discuss various methods of Antimicrobial susceptibility testing. Add a note on quality control.

(25 marks)

2. Describe humoral immune response.

(25 marks)

- 3. Write short notes on:
- 3A. Bacterial filters
- 3B. Subunit vaccines
- 3C. Virulence determinants of bacteria
- 3D. Biological functions of Complement
- 3E. Antigen presenting cells

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



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## MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

Tuesday, April 03, 2012

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

#### Answer ALL questions.

 Enumerate the etiology of Bacterial diarrhoea. Write in detail about the pathogenesis and laboratory diagnosis of Cholera.

(25 marks)

2. Discuss opportunistic mycoses with special reference to cryptococcosis.

(25 marks)

- 3. Write short notes on:
- 3A. Specific tests for syphilis
- 3B. Group B streptococci
- 3C. Melioidiosis
- 3D. Atypical pneumonia
- 3E. Halophilic Vibrios

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

## MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, April 04, 2012

Time	e: 14:00 – 17:00 Hrs.	Max. Marks: 100	
Ø	Answer ALL questions.		
1.	Discuss Vector Borne Viral Diseases in India and add a note on control.		
		(25 marks)	
2.	Describe the life cycle, pathogenecity and lab diagnosis of <i>Leishmania don</i>	novani.	
		(25 marks)	
3.	Write short notes on:		
3A.	Oncogenic viruses		
3B.	Immunoprophylaxis of Polio		
3C.	Pathogenesis of HIV infections		
3D.	Larva migrans		
3E.	Occult filariasis		
		$(10 \times 5 = 50 \text{ marks})$	



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# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.	Max. Marks: 100
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- Answer ALL questions.
- 1. Describe in detail Pyrexia of Unknown Origin.

(25 marks)

2. Describe complement pathway and complement dependent serological reactions.

(25 marks)

- Write short notes on:
- 3A. Super antigens
- 3B. MDR TB
- 3C. Micro array
- 3D. Monoclonal Antibodies
- 3E. Live viral vaccines

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

