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# MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2011

SUBJECT: PAPER I: GENERAL MICROBIOLOGY AND IMMUNOLOGY

Monday, April 04, 2011

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

- & Answer ALL questions.
- Describe molecular methods of diagnosis and its applications in Microbiology.

(25 marks)

 Enumerate antigen antibody reactions. Discuss the principle, methodology and application of ELISA.

(25 marks)

- 3. Write Short notes on:
- 3A. Bacterial exotoxins
- 3B. Phase contrast Microscopy
- 3C. Quality Control in Diagnostic Microbiology
- 3D. Cytokines
- 3E. Complement



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# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2011 SUBJECT: PAPER II: SYSTEMATIC BACTERIOLOGY AND MYCOLOGY

	Tuesday, April 05, 2011	
Tim	ne: 14:00 – 17:00 Hrs.	Max. Marks: 100
K	Answer ALL questions.	
1.	Describe the pathogenesis, laboratory diagnosis and prophylaxis of typhoid f	ever.
		(25 marks)
2.	Discuss the opportunistic mycoses.	
		(25 marks)
3.	Write Short notes on:	

- 3A. Laboratory diagnosis of gonorrhoea.
- 3B. El Tor vibrios.
- 3C. Atypical mycobacteria.
- 3D. Chromoblastomycosis.
- 3E. Non suppurative complications produced by Streptococcus pyogenes.



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# MD (MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER III: PARASITOLOGY AND VIROLOGY

Wednesday, April 06, 2011

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

#### & Answer ALL questions.

 Enumerate the viruses causing Hepatitis. Discuss the pathogenesis and laboratory diagnosis of Hepatitis B virus infection. Add a note on prophylaxis.

(25 marks)

 Write in detail about the lifecycle of Echinococcus granulosus. Describe the formation of hydatid cyst and discuss the laboratory diagnosis of hydatid disease.

(25 marks)

- 3. Write Short notes on:
- 3A. Aseptic meningitis
- 3B. Laboratory diagnosis of HIV
- 3C. Extraintestinal ameobiasis
- 3D. Adenovirus
- 3E. Complications of falciparum Malaria



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# MD (MICROBIOLOGY) DEGREE EXAMINATION - APRIL 2011

SUBJECT: PAPER IV: APPLIED MICROBIOLOGY AND RECENT ADVANCES

	Thursday, April 07, 2011					
Time	e: 14:00 – 17:00 Hrs.	Max.	Marks: 100			
K	Answer ALL questions.		3			
1.	Describe the pathogenesis and lab diagnosis of Urinary tract infection.					
			(25 marks)			
2.	Discuss the Automation in Microbiology.					
			(25 marks)			
3.	Write short notes on:					
3A.	Laboratory Diagnosis of genital ulcer diseases					
3B.	Microbiology of water					
3C.	Mucormycoses					
3D.	Immunodiagnosis of parasitic diseases					
3E.	Immunomodulators					