

UNIVERSITY OF JAFFNA

**SECOND EXAMINATION FOR MEDICAL DEGREES (PART 1) – April 2010
MICROBIOLOGY – Paper II**

Date : 20.04.2010

Time : 2 ½ hours

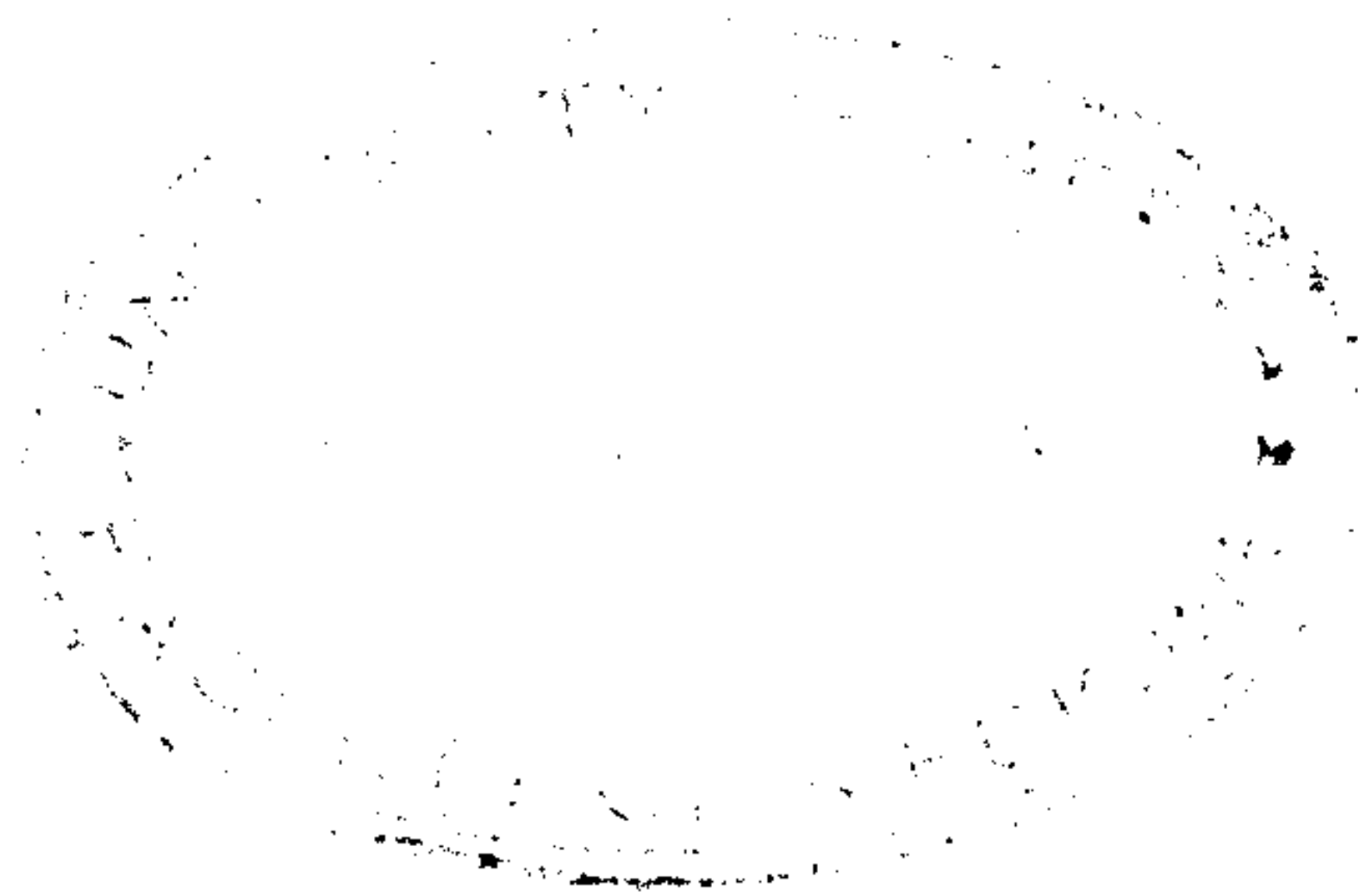
9.00 – 11.30 am

Answer All Five Questions

1.0

1.1. Write a brief account of Cholera with regard to the followings

- | | |
|--------------------|------------|
| 1.1.1 pathogenesis | (35 marks) |
| 1.1.2 diagnosis | (15 marks) |
| 1.1.3 treatment | (10 marks) |
| 1.1.4 prevention | (15 marks) |



1.2. Name five other bacteria that cause diarrhoeal diseases in human (25 marks)

2.0 Explain the pathogenesis of the following disease conditions:

- | | |
|--------------------|------------|
| 2.1 Gas gangrene | (35 marks) |
| 2.2 Whooping cough | (35 marks) |
| 2.3 Rabies | (30 marks) |

3.0 Describe the collection, transport and microbiological diagnosis of following specimens.

- | | |
|------------------------|------------|
| 3.1. Blood for Typhoid | (35 marks) |
| 3.2. Sputum for TB | (35 marks) |
| 3.3 CSF | (30 marks) |

4.0

4.1 Describe the role of macrophages & complement in immunity (65 marks)

4.2 Explain the immunological response in type III hypersensitive reaction (35 marks)

5. Write notes on :

5.1 Candidiasis (35 marks)

5.2 Infectious mononucleosis (35marks)

5.3Cryptococcal meningitis (30 marks)