SB 793 **APRIL 1995**

B.Sc., (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper IV - Microbiology I & Parasitology & Entomology

Time: Three hours Max.Marks : 100

Answer ALL Questions

1. Explain how you will process motion specimen for ova and cysts. (25)

2. Describe laboratory methods used in cultivation, isolation and identification of Salmonella typhi. (25)

3. Write Short Notes on: (5 x 10 = 50)

   a. Gram stain

   b. Lowerstein Jensen Medium

   c. Autoclave

   d. Mosquito as a vector

   e. VDRL test.

NOVEMBER 1995

MB 878

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

Paper-IV Microbiology I and Parasitology and Entomology

Time: Three hours Max.Marks: 100

ANSWER ALL QUESTIONS

1. Enumerate the different types of antigen antibody reaction and write in detail the basis of Complement Fixation Test and its applications. (25)

2. Describe the method of cultivation, isolation and identification of Vibrio Cholera. (25)

3. Write short notes on: (5x10=50)

   a) Widal Test

   b) Acid fast stain

   c) Concentration techniques in stool Examination

   d) Mosquito borne diseases in India

   e) Bacterial Filters

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APRIL 1996

(AK 878)

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)

SECOND YEAR

PAPER IV - MICROBIOLOGY-I AND PARASITOLOGY AND ENTOMOLOGY

Time: Three hours Max:100 marks

Answer ALL Questions

1. Write briefly the principles and optimum factors governing agglutination. Describe the Widal test. (25)

2. Describe the method of collection and processing of faeces for isolation and identification of pathogenic bacteria in a case of cholera. (25)

3. Write short notes on: (5x10=50)

   a) Antibiogram.

   b) Blood agar medium.

   c) Cyst of Entamoeba histolytica.

   d) Hot air oven.

   e) Bacterial flagella.

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OCTOBER 1996

PK 878

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)
DEGREE EXAMINATION

SECOND YEAR

PAPER-IV MICROBIOLOGY-I AND PARASITOLOGY AND ENTOMOLOGY

Time: Three hours Max: 100 marks

Answer ALL Questions

1. Give an account of the various antigen antibody reactions. Describe the V.D.R.L. test in detail and discuss its interpretation. (25)

2. Describe the methods of collection, transport and processing of urine specimen for isolation and identification of pathogenic bacteria in a case of urinary tract infection. (25)

3. Write short notes on: (5x10=50)

a) Acid fast stain.

b) Mac Conkey medium.

c) Egg of Ascaris lumbricoides.

d) Carriers

e) Autoclave.

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(MP 878) **APRIL 1997**

B.Sc.(MEDICAL LABORATORY TECHNOLOGY)
DEGREE EXAMINATION

SECOND YEAR

Paper-IV MICROBIOLOGY-I AND PARASITOLOGY AND ENTOMOLOGY

Time: Three Hours Max:100 marks

Answer ALL Questions

1. Discuss the various modes of transmission of diseases. Describe the laboratory diagnosis of malarial infection. (25)

2. Describe the cyst of Entamoeba histolytica and the laboratory diagnosis of intestinal and extraintestinal amoebiasis. (25)

3. Write short notes on: (5x10=50)

   a) Lowenstein Jensen medium

   b) Serological water bath

   c) Egg of whipworm

   d) Gram stain

   e) Agglutination

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APRIL 1998

(SV 878)

B.Sc.(MEDICAL LABORATORY TECHNOLOGY)
DEGREE EXAMINATION

SECOND YEAR

Paper-IV MICROBIOLOGY AND PARASITOLOGY AND ENTOMOLOGY

Time: Three Hours Max: 100 Marks

Answer ALL Questions

1. Enumerate Vector-borne diseases. Describe in detail the laboratory diagnosis of malarial fever. (25)

2. Classify Nematodes. Describe the laboratory diagnosis of filarial infection. (25)

3. Write short notes on: (5x10=50)

   a) Hanging Drop Preparation

   b) Indole reagent

   c) Selective media

   d) Precipitation reaction

   e) NIH Swab.

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APRIL 1999

[SG 878] Sub. Code : 5019

B.Sc. (Medical Laboratory Technology) DEGREE EXAMINATION.

Second Year

Paper IV — MICROBIOLOGY AND PARASITOLOGY AND ENTOMOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. What are the Antigen–Antibody reactions? Discuss in detail about agglutination reaction and their applications. (25)

2. Enumerate the parasites that enter the body through skin. Describe the pathogenecity and laboratory diagnosis of Ancylostoma duodenale. (25)

3. Write short notes on : (5 × 10 = 50)

(a) Intermediate hosts.

(b) Transport medium.

(c) Auto clave.

(d) Special stain.

(e) Laboratory diagnosis of malaria.

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OCTOBER 1999

[KA 878] **Sub. Code : 5019**

B.Sc. DEGREE EXAMINATION.

(Medical Laboratory Technology)

Second Year

Paper IV — MICROBIOLOGY — I AND PARASITOLOGY AND ENTOMOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Enumerate the various methods employed in identification of bacteria. Describe in detail about anaerobic culture techniques. (25)

2. Describe in detail the life cycle and pathogenicity of Ascaris lumbricoides. (25)

3. Write short notes on : (5 × 10 = 50)

(a) Culex mosquito

(b) Lowen Stein – Jensen Medium

(c) Complement fixation test

(d) Leishman Stain

(e) pH meter.

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APRIL 2000

[KB 878] **Sub. Code : 5019**

B.Sc. (MEDICAL LABORATORY TECHNOLOGY)
DEGREE EXAMINATION.

Second Year

Paper IV — MICROBIOLOGY–I AND
PARASITOLOGY AND ENTOMOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe in detail about the different anaerobic culture methods. Add a note on various methods of isolating organisms in pure culture. (25)

2. What are flagellates protozoan? How are they classified based on their habitat? Describe the morphology, life cycle and pathogenesis of Giardia intestinalis. (25)

3. Write short notes on : (5 × 10 = 50)

   (a) Leishman's stain

   (b) Complement fixation test

   (c) Egg of Hookworm

   (d) Mosquito as a vector

   (e) Indole test.

NOVEMBER 2000

[KC 878] Sub. Code : 5019

B.Sc. (MEDICAL LABORATORY TECHNOLOGY) DEGREE EXAMINATION.

Second Year

Paper IV — MICROBIOLOGY — I AND PARASITOLOGY AND ENTOMOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Classify the protozoa of human importance. Discuss in detail about E.histolytica and the laboratory diagnosis of human amoebiasis. (25)

2. Describe the different modes of transmission of disease in human beings. Discuss the laboratory diagnosis of Hydatid cyst in man. (25)

3. Write short notes on : (5 × 10 = 50)

(a) Hot air oven

(b) Robertson cooked meat medium

(c) Negative staining

(d) Blood smear examination

(e) Complement fixation test.