APRIL 1995

SB 415

DIPLOMA IN CLINICAL PATHOLOGY

(New Regulations)

Paper II - Biochemistry and Microbiology

Time: Three hours Max. marks: 100

Answer ALL Questions

1. Describe the Liver function tests. Discuss their clinical significance and usefulness. (25)

2. Discuss the laboratory diagnosis of AIDS. (25)

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

   a) Acid-fast staining

   b) Autoclave

   c) Interferon

   d) Immunoglobulins

   e) Ketonuria

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NOVEMBER 1995

MB 364

DIPLOMA IN CLINICAL PATHOLOGY

(New Regulations)

Paper II - Biochemistry and Microbiology

Time: Three hours Max. marks:100

Answer All Questions.

1. Describe the methods of serum lipids estimation. Discuss their clinical significance and usefulness. (25)

2. Discuss the laboratory diagnosis and immunoprophylaxis of Japanese-encephalitis. (25)

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

   (a) Immunofluorescence

   (b) Bacterial filters

   (c) Inclusion bodies

   (d) Homograft rejection

   (e) Uraemia

APRIL 1996

[AK 364]

DIPLOMA IN CLINICAL PATHOLOGY.

(New Regulations)

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe the renal function tests. Discuss their clinical significance and usefulness. (25)

2. Enumerate the hepatitis viruses. Describe the various laboratory methods for the detection of hepatitis B virus parameters. (25)

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

(a) Dark ground illumination.

(b) Cold sterilization.

(c) Complement.

(d) Viral Haemagglutination.

(e) Glycosylated haemoglobin.

APRIL 1997

MP 307

DIPLOMA IN CLINICAL PATHOLOGY

(New Regulations)

Paper II - BIOCHEMISTRY AND MICROBIOLOGY

Time: Three hours Max. marks:100

Answer All Questions

1. Discuss the abnormalities associated with hypercholesteraemia and explain how lowering of plasma cholesterol is beneficial to the patients. (25)

2. Write an essay on viruses affecting the central nervous system. (25)

3. Write briefly on: (5x10=50)

   (a) Role of macrophages in the immune response

   (b) Radioimmuno assay

   (c) Bartonella Bacilliformis

   (d) Surface active agents

   (e) Haemoglobinuria.

OCTOBER 1997

MS 307

DIPLOMA IN CLINICAL PATHOLOGY

(New Regulations)

Paper II - BIOCHEMISTRY AND MICROBIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Role of enzymatic studies in the diagnosis of myocardial infarction. (25)

2. Discuss the factors responsible for the resurgence of malaria in India. (25)

3. Write briefly on: (5x10=50)

   (a) Japanese B encephalitis

   (b) Aflatoxin

   (c) Bacterial growth curve

   (d) D.P.T. vaccine

   (e) Bacterial enterotoxins.

APRIL 1998

SV 326

DIPLOMA IN CLINICAL PATHOLOG

(New Regulations)

Paper II - BIOCHEMISTRY AND MICROBIOLOGY

Time: Three hours Max.marks:100

Answer All Questions

1. Discuss enzymatic studies in the of various liver disorders. (25)

2. Discuss the laboratory diagnosis bacterial sore throat in a 5 year child. (25)

3. Write briefly on: (5x10=50)

   (a) Pertussis sub unit vaccine

   (b) Adjuvant

   (c) Vibrio cholerae O - 13º

   (d) Indicators of faecal pollution water

   (e) Rabies vaccine.

APRIL 1999

[SG 1507] **Sub. Code : 3009**

DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.

(New Regulations)

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

1. Quality control in Clinical Biochemistry. (25)

2. Outline the steps in laboratory diagnosis of Pulmonary tuberculosis. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Immunoglobulins.

   (b) Cryptococcus neoformans.

   (c) Poliomyelitis vaccines.

   (d) L.D. Bodies.

   (e) DNA probes.

OCTOBER 1999

[KA 1507] **Sub. Code : 3009**

DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.

(New Regulations)

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss studies on cerebrospinal fluid protein in the diagnosis of the diseases of the central nervous system. (25)

2. Discuss the laboratory diagnosis of congenital infections in a new born baby. (25)

3. Write briefly on : (5 × 10 = 50)

   (a) Japanese Encephalitis Vaccines

   (b) Hepatitis C virus

   (c) Agglutination tests

   (d) Agents of Gasgangrene

   (e) Rheumatoid factor.

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APRIL 2000

[KB 1507] Sub. Code : 3009

DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.

(New Regulations)

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Describe lipid metabolism in Diabetes mellitus. (25)

2. Enumerate organisms causing diarrhoea and describe the steps in laboratory diagnosis of cholera. (25)

3. Write briefly on : (5 × 10 = 50)

(a) Amoebiasis

(b) Mycetoma

(c) Echinococcus granulosus

(d) Drug Resistance

(e) Dermatophytes.

OCTOBER 2000

[KC 1507] Sub. Code : 3009

DIPLOMA IN CLINICAL PATHOLOGY
EXAMINATION.

(New Regulations)

Paper II — BIOCHEMISTRY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. List the viruses that cause Hepatitis. Describe the serological markers of Hepatitis 'B' virus and the laboratory tests used for its detection. (25)

2. Discuss the biochemical tests used to assess "Liver function". (25)

3. Write briefly on : (5 × 10 = 50)

(a) Amoebiasis.

(b) Candidiasis.

(c) Detection of blood parasites by blood smear examination.

(d) Widal test.

(e) Western blot test.