

February 2011

[KY 704]

Sub. Code: 4171

SECOND B.D.S DEGREE EXAMINATION
(Regulations for the candidates admitted from 2008-09 onwards)

Paper I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544171

Time: Three hours

Maximum: 70 Marks

Answer **ALL** questions
Part A - PATHOLOGY

I. Essay: (1 x 15 = 15)

1. Define Thrombosis. Discuss the factors favouring Thrombus formation. Add a note on the fate of Thrombus.

II. Write short notes on: (2 x 5 = 10)

1. Fracture healing.
2. Blood and bone marrow picture in megaloblastic anaemia.

III. Short answer questions: (5 x 2 = 10)

1. Ghon complex.
2. Differences between exudates and transudate.
3. Dystrophic calcification.
4. Types of Hodgkin's Lymphoma.
5. Ameloblastoma.

Part B - MICROBIOLOGY

I. Essay: (1 x 15 = 15)

1. Classify Anaerobes. Write detail about the various Anaerobic culture methods.

II. Write short notes on: (2 x 5 = 10)

1. ELISA.
2. Bacterial conjugation.

III. Short answer questions: (5 x 2 = 10)

1. Name two methods of dry heat sterilization.
2. Cysticercosis.
3. Name two selective media.
4. Ziehl Neelsens staining.
5. Streptococcus mutans.

August 2011

[KZ 704]

Sub. Code : 4171

SECOND B.D.S. DEGREE EXAMINATION

GENERAL PATHOLOGY AND MICROBIOLOGY

Q. P. Code : 544171

Time : Three hours

Maximum: 100 Marks

Answer ALL questions

Answer Section A and B in Separate Answer Books

SECTION – A

(GENERAL PATHOLOGY)

I. Essay Questions: (1 x 20 = 20)

1. Define Neoplasm. Discuss the etiology and laboratory diagnosis of Cancer.

II. Write Short notes on : (5 x 6 = 30)

1. Pathological calcification.
2. Kidney in diabetes.
3. Peripheral blood smear and bone marrow pictures of chronic myeloid leukemia.
4. Agranulocytosis.
5. Hemophilia A.

SECTION – B

(MICROBIOLOGY)

I. Essay Questions: (1 x 20 = 20)

1. Describe the Morphology, Pathogenesis, Laboratory Diagnosis and Immunoprophylaxis of Clostridium tetani.

II. Write Short notes on : (5 x 6 = 30)

1. Chemical Disinfectants.
2. Cultivation of Viruses.
3. ELISA.
4. Dimorphic Fungi.
5. Dental Plaque.

Februray 2012

[LA 656]

Sub. Code: 4171

SECOND B.D.S. DEGREE EXAMINATION

PAPER – II

GENERAL PATHOLOGY AND MICROBIOLOGY

Q .P .Code: 544171

Time: Three hours

Maximum: 70 Marks

**Answer ALL questions in the same order
Draw Suitable diagrams wherever necessary
Answer Section A and B in Separate Answer Books
SECTION –A
(GENERAL PATHOLOGY)**

I. Elaborate on: (1X10=10)

1. Define inflammation. Mention chemical mediators. Write about their role in inflammation.

II. Write notes on: (5×5=25)

1. Define necrosis. Classify necrosis
2. Peripheral blood smear in and bone marrow picture in megaloblastic anemia
3. Chemical carcinogens
4. Etiopathogenesis of atherosclerosis
5. Von Willie brandts disease

**SECTION – B
(MICROBIOLOGY)**

I. Elaborate on: (1×10=10)

1. Describe morphology, mode of spread, important clinical features, laboratory diagnosis and active immunization of Corneybacterium diptheriae.

II. Write notes on: (5×5=25)

1. Candidiosis
2. Dental plaque
3. Hookworm infestation
4. Bacterial capsule
5. ELISA

[LB 656]

AUGUST 2012

Sub. Code: 4171

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL PATHOLOGY
AND MICROBIOLOGY**

Q.P.Code: 544171

Time: 180 Minutes

Maximum: 100 Marks

Answer ALL questions in the same order

Draw Suitable diagrams wherever necessary

Answer Section A and B in Separate Answer Books

SECTION –A

(GENERAL PATHOLOGY)

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Define Amyloidosis. Describe the pathological changes in the organs. Add a note on the special stains for Amyloid. | 19 | 30 | 20 |
|---|----|----|----|

II. Write Notes on:

- | | | | |
|--|---|----|---|
| 1. Define Necrosis. Classify with examples. | 3 | 10 | 5 |
| 2. Summary of chemical mediators in inflammation. | 3 | 10 | 5 |
| 3. Congenital Syphilis. | 3 | 10 | 5 |
| 4. Caisson's Disease. | 3 | 10 | 5 |
| 5. Pre-Neoplastic conditions. | 3 | 10 | 5 |
| 6. Laboratory findings in Iron Deficiency Anaemia. | 3 | 10 | 5 |

SECTION –B

(MICROBIOLOGY)

I. Elaborate on:

- | | | | |
|---|----|----|----|
| 1. Explain the morphology, pathogenesis, symptoms and laboratory diagnosis of Hepatitis B Virus. Add a note on prophylactic measures. | 19 | 30 | 20 |
|---|----|----|----|

II. Write Notes on:

- | | | | |
|------------------------------|---|----|---|
| 1. Hot air oven. | 3 | 10 | 5 |
| 2. Oral thrush. | 3 | 10 | 5 |
| 3. Hydatid cyst. | 3 | 10 | 5 |
| 4. Gamma globulin. | 3 | 10 | 5 |
| 5. Toxins of Staphylococcus. | 3 | 10 | 5 |
| 6. Plasmodium falciparum. | 3 | 10 | 5 |

[LC 656]

FEBRUARY 2013

Sub. Code: 4171

SECOND YEAR B.D.S. DEGREE EXAM

PAPER I – GENERAL PATHOLOGY

AND MICROBIOLOGY

Q.P.Code: 544171

Time: 180 Minutes

Maximum: 70 Marks

Draw Suitable diagrams wherever necessary

Answer Section A and B in Separate Answer Books

SECTION –A

(GENERAL PATHOLOGY)

I. Elaborate on: (1X10=10)

1. Define shock. Classify shock. Discuss in detail about pathogenesis of septic shock and morphology of various organs in shock.

II. Write Notes on: (5x5=25)

1. Scurvy
2. Precancerous lesions of oral cavity
3. Differences between necrosis and apoptosis
4. Primary complex
5. Peripheral blood and bone marrow picture in chronic myeloid leukemia.

SECTION –B

(MICROBIOLOGY)

I. Elaborate on: (1x10=10)

1. Define Sterilization? Describe Moist heat Sterilization in detail?

II. Write Notes on: (5x5=25)

1. Lymph node
2. Coagulase test
3. Oral candidiasis
4. Egg of Hook worm
5. Structure of Hepatitis B Virus.

[LD 656]

AUGUST 2013

Sub. Code: 4171

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL PATHOLOGY
AND MICROBIOLOGY**

Q.P.Code: 544171

Time: 180 Minutes

Maximum: 70 Marks

**Draw Suitable diagrams wherever necessary
Answer Section A and B in Separate Answer Books**

**SECTION –A
(GENERAL PATHOLOGY)**

I. Elaborate on: (1X10=10)

1. Classify Carcinogens. Explain the role of Oncogenic viruses in human cancer.

II. Write Notes on: (5x5=25)

1. Factors Influencing wound healing
2. Complications of Tertiary syphilis
3. Types of Oedema
4. Causes for Malnutrition
5. Megaloblastic anaemia.

**SECTION –B
(MICROBIOLOGY)**

I. Elaborate on: (1x10=10)

1. Classify Hepatitis Virus. Describe the laboratory diagnosis of Hepatitis B Virus.

II. Write Notes on: (5x5=25)

1. Bacterial growth curve
2. Prophylaxis of Tetanus
3. Enzyme linked immunosorbent assay(ELISA)
4. Candidiasis.
5. Microfilaria.

SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY
Q.P Code: 544171

Time: 180 Minutes

Maximum: 70 marks

Draw Suitable diagrams wherever necessary
Answer section A and B in Separate Answer Books

SECTION – A
(GENERAL PATHOLOGY)

I. Elaborate on: **(1X10=10)**

1. Define edema. Discuss the etiology and pathogenesis of renal edema.

II. Write Notes on: **(5X5=25)**

1. Human oncogenic viruses
2. Vitamin D. deficiency
3. Healing by second intention (secondary union)
4. Free radical mediated – cell-injury
5. Granuloma

SECTION – B
(MICROBIOLOGY)

I. Elaborate on: **(1X10=10)**

1. Describe in detail about the pathogenesis and laboratory diagnosis of Acquired Immune Deficiency Syndrome.

II. Write Notes on: **(5X5=25)**

1. Bacterial flagella
2. Autoimmunity
3. Tuberculin test
4. Cultivation of fungi
5. Filariasis

[LF 656]

AUGUST 2014

Sub. Code: 4171

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY**

Q.P Code: 544171

Time: 180 Minutes

Maximum: 70 marks

**Draw Suitable diagrams wherever necessary
Answer section A and B in Separate Answer Books**

**SECTION – A
(GENERAL PATHOLOGY)**

I. Elaborate on: (1X10=10)

1. Define Neoplasia. Tabulate the differences between benign and malignant neoplasms with examples

II. Write Notes on: (5X5=25)

1. Arachidonic acid metabolites
2. Hypovolemic shock
3. Haemophilia
4. Granuloma
5. Fatty Liver

**SECTION – B
(MICROBIOLOGY)**

I. Elaborate on: (1X10=10)

1. Define sterilization? Describe dry heat sterilization in detail.

II. Write Notes on: (5X5=25)

1. Dental caries.
2. Mechanisms of Auto immunity.
3. Laboratory diagnosis of enteric fever.
4. Prevention of polio.
5. Hydatid cyst.

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY**

Q.P Code: 544171

Time: 180 Minutes

Maximum: 70 Marks

**Draw Suitable diagrams wherever necessary
Answer section A and B in Separate Answer Books**

**SECTION – A
(GENERAL PATHOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Define repair. Describe Healing by first intention. (Primary union)
Discuss the factors influencing wound healing.

II. Write Notes on: **(5 x 5 = 25)**

1. Radiation injury.
2. Organization of Thrombus.
3. Microcytic hypochromic anemia.
4. Chemotaxis.
5. Pathological calcification.

**SECTION – B
(MICROBIOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Define Hypersensitivity. Describe type 1 hypersensitivity in detail.

II. Write Notes on: **(5 x 5 = 25)**

1. Anaerobic culture methods.
2. Oral Microbial Flora.
3. Laboratory diagnosis of HIV infection.
4. Dimorphic Fungi.
5. Life cycle of *Ascaris Lumbricoides*.

[LH 656]

AUGUST 2015

Sub. Code: 4171

**SECOND YEAR B.D.S. DEGREE EXAMINATION
PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY**

Q.P. Code: 544171

Time : Three Hours

Maximum : 70 marks

Answer All Questions

Draw Suitable diagrams wherever necessary

Answer section A and B in Separate Answer Books

**SECTION – A
(GENERAL PATHOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Define necrosis. Discuss types of necrosis.

II. Write notes on : **(5 x 5 = 25)**

1. Rodent Ulcer.

2. Renal Edema.

3. Blood and Bone marrow picture of Iron deficiency anaemia.

4. Special Stains for amyloidosis.

5. Granuloma.

**SECTION – B
(MICROBIOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Classify Hepatitis viruses. Write in detail about morphology, antigenicity, mode of transmission, laboratory diagnosis and prophylaxis of Hepatitis B virus.

II. Write notes on : **(5 x 5 = 25)**

1. Chemical disinfectants.

2. Immunoglobulin G.

3. Antigens, toxins and enzymes of Streptococcus pyogenes.

4. Plasmodium falciparum.

5. Candida albicans.

[LI 656]

FEBRUARY 2016

Sub. Code: 4171

**SECOND YEAR B.D.S. DEGREE EXAMINATION
PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY**

Q.P. Code : 544171

Time : Three Hours

Maximum : 70 Marks

**Draw Suitable diagrams wherever necessary
Answer section A and B in Separate Answer Books**

**SECTION – A
(GENERAL PATHOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Classify Carcinogens. Discuss the role of Oncogenic viruses in human cancer.

II. Write Notes on: **(5 x 5 = 25)**

1. Factors influencing wound healing.
2. Complications of Tertiary syphilis.
3. Types of Oedema.
4. Scurvy.
5. Megaloblastic anemia.

**SECTION – B
(MICROBIOLOGY)**

I. Elaborate on: **(1 x 10 = 10)**

1. Describe the pathogenesis, lab diagnosis and prophylaxis of Mycobacterium tuberculosis?

II. Write Notes on: **(5 x 5 = 25)**

1. Enzyme linked immunosorbent assay.
2. Classification of Streptococcus.
3. Hydatid cyst.
4. Oral thrush.
5. Structure of Bacteriophage.
