APRIL - 2001

[KD 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours — Maximum : 100 marks

Two and a half hours for Sec. A and Sec. B — Sec. A & Sec. B : 70 marks; Section C : 30 marks

Answer Sections A & B in the same Answer book.

Answer Section C in the Answer sheet provided.

SECTION A

(PATHOLOGY)

1. Define Shock. Write the classification of shock. Describe septic shock. (2 + 5 + 8 = 15)

2. Write short notes on : (4 × 5 = 20)

   (a) Hyperplasia

   (b) Endogenous Pigments

   (c) Fracture healing

   (d) Aphthous ulcers.

SECTION B

(MICROBIOLOGY)

3. Write about the morphology, culture characters and laboratory diagnosis of C. diphtheria. (15)

4. Write short notes on : (4 × 5 = 20)

   (a) Bacteroides.

   (b) Type III Hypersensitivity.

   (c) Viral inclusion bodies

   (d) Selective media.

APRIL - 2001

[KD 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours — Maximum : 100 marks

Two and a half hours — Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B — Section C : 30 marks

Answer Sections A and B in separate Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A

(PATHOLOGY)

1. Define Thrombus. Describe the pathogenesis of thrombus formation. What is the fate of a thrombus? (15)

2. Write short notes on : (4 × 5 = 20)

(a) Chemotaxis

(b) Congenital syphilis

(c) Chemical carcinogenesis

(d) Pernicious Anemia — Causes and Hematologic features.

SECTION B

(MICROBIOLOGY)

3. Mention the viruses causing Hepatitis and write the lab diagnosis of Hepatitis B infection. (15)

4. Write short notes on : (4 × 5 = 20)

(a) Dental plaque formation

(b) Bacterial capsule

(c) Nosocomial infection

(d) Immunisation against Tetanus.

NOVEMBER - 2001

[KE 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours — Maximum : 100 marks
Two and a half hours for Sec. A & Sec. B — Sec. A & Sec. B : 70 marks
Section C : 30 marks

Answer Sections A and B in separate Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(PATHOLOGY)

1. Describe in detail the process of healing of an infected wound (secondary union). Enumerate the factors influencing this healing process. (15)

2. Write short notes on : (4 × 5 = 20)

(a) Primary tuberculous complex–pathogenesis and fate.

(b) Paradoxical embolism.

(c) Carcinoma of oral cavity – aetiology, gross and microscopic pathology.

(d) Haemosiderin.

SECTION B

(MICROBIOLOGY)

3. Describe the morphology, pathogenesis and lab diagnosis of treponema pallidum. (15)

4. Write short notes on : (4 × 5 = 20)

(a) Passive immunity.

(b) Immunoprophylaxis of Hepatitis B.

(c) Hook worm.

(d) Opportunistic fungi.

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NOVEMBER - 2001

[KE 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours — Maximum : 100 marks
Two and a half hours for Sec. A & Sec. B — Sec. A & Sec. B : 70 marks
Section C : 30 marks

Answer Sections A and B in separate Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

1. What are the cellular events of inflammation. Write briefly on phagocytosis. (5 + 10 = 15)

2. Write short notes on : (4 × 5 = 20)

(a) Metaplasia.

(b) Ionising radiation injury.

(c) Actinomycosis.

(d) Peripheral smear picture in iron deficiency anaemia.

SECTION B

3. Describe the morphology, Pathogenesis, Laboratory diagnosis and immunoprophylaxis of Clostridium tetani. (15)

4. Write short notes on : (4 × 5 = 20)

(a) Bacterial toxins.

(b) Secretary immunoglobulin.

(c) Gas gangrene.

(d) Morphology of Hepatitis B virus.

———

SEPTEMBER - 2002

[KH 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**
Two and a half hours for Sec. A & Sec. B **Sec. A & Sec. B : 70 marks**
Section C : 30 marks

Answer Sections A and B in SEPARATE Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(PATHOLOGY)

1. Define inflammation. What are the cellular events that occur during inflammation? Describe Phagocytosis. (2 + 5 + 8 = 15)

2. Write short notes on : (4 × 5 = 20)

   (a) Scurvy

   (b) Congenital syphilis

   (c) Healing by first intention (Primary Union)

   (d) Ameloblastoma.

SECTION B

(MICROBIOLOGY)

3. What are the medically important species of genus staphylococcus? Describe the toxins and enzymes produced by staph. aureus. (15)

4. Write short notes on : (4 × 5 = 20)

   (a) Type I hypersensitivity

   (b) Moist heat sterilisation

   (c) Hepatitis B vaccination

   (d) Candidiasis.

SEPTEMBER - 2002

[KH 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**
Two and a half hours for Sec. A and Sec. B **Sec. A and Sec. B : 70 marks**
Section C : 30 marks

Answer Sections A and B in SEPARATE Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(PATHOLOGY)

1. **Describe the Pathogenesis and Pathology of shock.** **(15)**

2. **Write short notes on :** **(4 × 5 = 20)**

   (a) **Chemical Carcinogenesis**

   (b) **Granuloma**

   (c) **Fracture Healing**

   (d) **Laboratory Diagnosis of Amyloidosis.**

SECTION B

(MICROBIOLOGY)

3. **Mention the characteristics of Genus Clostridia, and give an account of the Pathogenesis, Lab diagnosis and Prophylaxis of Cl. tetani.** **(15)**

4. **Write short notes on :** **(4 × 5 = 20)**

   (a) **Opportunistic fungal infections**

   (b) **Immunoprophylaxis of diphtheria**

   (c) **Immunoglobulin A**

   (d) **Autoclave.**

[KI 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Answer Sections A and B in **SEPARATE** Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(PATHOLOGY)

1. Define Neoplasia. Differentiate between benign and malignant tumours. Write about the methods of diagnosis of tumours. (3 + 6 + 6 = 15)

2. Write short notes on : (4 × 5 = 20)

(a) Megaloblastic anemia.

(b) Fat Embolism.

(c) Lepromatous Leprosy.

(d) Phagocytosis.

SECTION B

(MICROBIOLOGY)

3. Define sterilisation. Classify the different methods of sterilisation. Write in detail on autoclave. (1 + 4 + 10)

4. Write short notes on : (4 × 5 = 20)

(a) Antibiotic sensitivity tests.

(b) Streptococcal toxins.

(c) Anaerobic culture methods.

(d) Passive immunity.

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[KI 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours — Maximum : 100 marks
Two and a half hours for Sec. A & Sec. B — Sec. A & Sec. B : 70 marks
Section C : 30 marks

Answer Sections A and B in **SEPARATE** Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(GENERAL PATHOLOGY)

1. Define Embolism. Classify Embolism. Write in detail about Fat Embolism and AIR Embolism. (3 + 3 + 9 = 15)

2. Write short notes on : (4 × 5 = 20)

   (a) Phagocytosis

   (b) Biological Carcinogens

   (c) Chronic myeloid leukemia

   (d) Lepromatous leprosy.

SECTION B

(MICROBIOLOGY)

3. Name the organism causing tetanus. (1)

   Describe its morphology. (2)

   Describe its lab. diagnosis and prevention. (8 + 4)

4. Write short notes on : (4 × 5 = 20)

   (a) VDRL test

   (b) Polio vaccines

   (c) Transport medium

   (d) Oral thrush.

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[KJ 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in **SEPARATE** Answer Books.

Answer Section C in the answer sheet provided.

SECTION A

(PATHOLOGY)

1. Define infarction. Classify infarcts. Describe the pathology and pathogenesis of infarcts and consequences of infarction. (4 + 4 + 4 + 3 = 15)

2. Write short notes : (5 × 5 = 25)

(a) Chemical mediators of inflammation

(b) Kleinfelters syndrome

(c) Physical carcinogens

(d) Fatty change

(e) Megaloblastic anemia.

SECTION B

(MICROBIOLOGY)

3. Name the organism causing gas-gangrene. (1)

Describe its staining characters and morphology. (2)

Describe its pathogenesis and laboratory diagnosis. (6 + 6)

4. Write short notes on : (5 × 5 = 25)

(a) Widal test

(b) Autoclave

(c) Antibiotic sensitivity tests

(d) Anaerobic culture methods.

(e) Oral thrush.

[KJ 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Two hours and forty minutes

for Sec. A and Sec. B Sec. A & Sec. B : 80 marks

Twenty minutes for Sec. C Section C : 20 marks

Answer Sections A and B in **SEPARATE** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A

(GENERAL PATHOLOGY)

1. Define necrosis. Write the types of necrosis. Describe coagulative necrosis and fat necrosis. (3 + 2 + 10 = 15)

2. Write short notes : (5 × 5 = 25)

(a) Fracture healing

(b) Actinomycosis

(c) Tumour markers

(d) Metaplasia

(e) Ionising radiation injury.

SECTION B

(MICROBIOLOGY)

3. Classify Streptococci. Name streptococci causing dental caries. Describe the laboratory diagnosis of streptococci. (4 + 3 + 8)

4. Write short notes : (5 × 5 = 25)

(a) Rabies vaccines

(b) Enriched media

(c) Coagulase test

(d) Endotoxins

(e) Candida.

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AUGUST - 2004

[KL 617] **Sub. Code : 4077**

SECOND B.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Sec. A & B : Two hours and forty minutes **Sec. A & B : 80 marks**

Sec. C : Twenty minutes **Sec. C : 20 marks**

Answer Sections A and B in SEPARATE Answer books.

Answer Section C in the answer sheet provided.

SECTION A

1. Define shock. Classify shock and write about the pathogenesis and pathology of shock. (2 + 3 + 5 + 5 = 15)

2. Draw a neat labelled diagram of the bacterial cell. Discuss in detail about the bacterial flagella. (5 + 10)

SECTION B

3. Write short notes on : (10 × 5 = 50)
   (a) Iron deficiency anemia
   (b) Pleomorphic adenoma
   (c) Arachidonic acid metabolites
   (d) Primary complex
   (e) Coagulative necrosis.
   (f) Antibiotic sensitivity tests
   (g) Anaphylaxis
   (h) Autoclave
   (i) Candidiasis
   (j) Polio vaccine.

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AUGUST - 2004

[KL 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Sec. A & B : Two hours and forty minutes **Sec. A & B : 80 marks**

Section C : Twenty minutes **Section C : 20 marks**

Answer Sections A and B in SEPARATE Answer Books.

Answer Section C in the answer sheet provided.

SECTION A

(GENERAL PATHOLOGY)

1. Define amyloidosis. Classify amyloidosis. Write in detail about primary amyloidosis. (3 + 5 + 7 = 15)

2. Write short notes on : (5 × 5 = 25)
   (a) Cardiac edema
   (b) Epulis
   (c) Congenital syphilis
   (d) ESR
   (e) Megaloblastic anaemia.

SECTION B

(MICROBIOLOGY)

3. Classify culture media. Describe anaerobic culture methods. (5 + 10)

4. Write short notes on : (5 × 5 = 25)
   (a) Louis Pasteur
   (b) Chemical disinfectants
   (c) Oral microbial flora
   (d) Antibiotic sensitivity tests
   (e) Hepatitis B virus.

FEBRUARY - 2005

[KM 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

Section C : Twenty minutes Section C : 20 marks

Answer Sections A and B in **SEPARATE** Answer Book.

Answer Section C in the answer sheet provided.

SECTION A

(GENERAL PATHOLOGY)

1. Define Inflammation. What are chemical mediators? Write in detail about the role of chemical mediators in inflammation. (3 + 3 + 9 = 15)

2. Write short notes on : (5 × 5 = 25)

   (a) Infarction.

   (b) Malignant melanoma.

   (c) Actinomycosis.

   (d) Idiopathic thrombocytopenic purpura.

   (e) Haemosiderin.

SECTION B

(MICROBIOLOGY)

3. (a) Write in detail about bacterial suppurative lesions. (10)

   (b) Name the organisms causing septicemia. (2)

   (c) Add a note on coagulase negative staphylococcus. (3)

4. Write short notes on : (5 × 5 = 25)

   (a) Bacterial antigens.

   (b) Coombs test.

   (c) Anaerobic culture media.

   (d) Hepatitis vaccine.

   (e) Standard tests for syphilis.

AUGUST - 2005

[KN 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Sec. A & B : Two hours and forty minutes **Sec. A & B : 80 marks**

Sec. C : Twenty minutes **Sec. C : 20 marks**

Answer Sections A and B in the SEPARATE answer book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A

(GENERAL PATHOLOGY)

1. **Define and classify anaemias. Discuss about the clinical features, peripheral smear and bone marrow study in iron defeciency anaemia. (2 + 3 + 2 + 5 + 3 = 15)**

2. **Write short notes on : (5 × 5 = 25)**
   - **(a) Phagocytosis**
   - **(b) Sago spleen**
   - **(c) Air embolism**
   - **(d) ESR**
   - **(e) Pathology of oedema.**

SECTION B

(MICROBIOLOGY)

3. **Describe Morphology, Pathogenicity and Laboratory diagnosis of staphylococci. (2 + 4 + 9 = 15)**

4. **Write short notes on : (5 × 5 = 25)**
   - **(a) Autoclave**
   - **(b) BCG Vaccine**
   - **(c) Laboratory diagnosis of Hepatitis B infection**
   - **(d) Anatomy of Bacterial cell**
   - **(e) Plasmodium falciparum.**

FEBRUARY - 2006

[KO 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Sec. A & B : Two hours and forty minutes **Sec. A & B : 80 marks**

Section C : Twenty minutes **Section C : 20 marks**

Answer Sections A and B in the SEPARATE Answer Book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A

(GENERAL PATHOLOGY)

1. Define Oedema. Write the types of Oedema. Describe the pathogenesis of Oedema. (3+3+9 = 15)

2. Write short notes on : (5 × 5 = 25)
   - (a) Wound Healing by first intention.
   - (b) Primary tuberculosis
   - (c) Squamous cell carcinoma
   - (d) Hyperplasia
   - (e) Haemophilia A.

SECTION B

(MICROBIOLOGY)

3. (a) Enumerate all the pyogenic cocci. (3)

   (b) Write in detail about the morphology, pathogenesis, laboratory, diagnosis and the treatment of streptococci. (12)

4. Write short notes on : (5 × 5 = 25)
   - (a) Hot air oven
   - (b) Vaccine for polio
   - (c) Mycetoma
   - (d) Widal test
   - (e) Antibiotic sensitivity test

AUGUST - 2006

[KP 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Descriptive : Two hours and forty minutes **Descriptive : 80 marks**

Objective : Twenty minutes **Objective : 20 marks**

Answer Sections A and B in the SEPARATE Answer Book

Answer ALL questions.

SECTION A

Write essays on :

1. Define neoplasia and discuss the differences between benign and malignant tumours. (3 + 12)

2. Classify leprosy. Describe the pathology of tuberculoid leprosy. (4 + 6)

3. Write short notes on : (3 x 5 = 15)

(a) Air embolism.

(b) Hyperplasia.

(c) Fatty liver.

SECTION B

1. Give an account of infections caused by candida albicans. Describe laboratory diagnosis of candida. (15)

2. Classify bacteria depending on their shape. Describe cell wall of bacteria. (10)

3. Write short notes on : (3 x 5 = 15)

(a) DPT vaccine.

(b) Transport media.

(c) Hydatid cyst.

FEBRUARY - 2007

[KQ 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours **Maximum : 100 marks**

Descriptive : Two hours and forty minutes **Descriptive : 80 marks**

Objective : Twenty minutes **Objective : 20 marks**

Answer Sections A and B in the SEPARATE Answer Books.

Answer ALL questions.

SECTION A

(GENERAL PATHOLOGY)

1. Discuss the vascular and cellular events of inflammation. (7 + 8)

2. Define Edema. Discuss the pathology of various types of edema. (10)

3. Write short notes on : (3 × 5 = 15)
   (a) Dry gangrene
   (b) Atrophy
   (c) Blood picture in Iron deficiency anemia.

SECTION B

(MICROBIOLOGY)

1. Classify culture media. Describe anaerobic culture methods. (15)

2. Describe pathogenicity and laboratory diagnosis of hepatitis B virus. (10)

3. Write short notes on : (3 × 5 = 15)
   (a) Actinomycetes.
   (b) Laboratory diagnosis of malaria
   (c) Bacteria causing dental caries.

AUGUST 2007

[KR 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Time : Three hours Maximum : 100 marks

Descriptive: Two hours and forty minutes Descriptive : 80 marks

Objective : Twenty minutes Objective : 20 marks

Answer Sections A and B in the **SEPARATE** Answer Book.

Answer ALL questions.

SECTION A

1. What are the types of wound healing? Describe healing of a clean incised wound. What are the factors affecting wound healing? (3 + 7 + 5 = 15)

2. Write short notes on : (5 × 5 = 25)

(a) Pleomorphic adenoma

(b) Idiopathic haemochromatosis

(c) Fat Embolism

(d) Scurvy

(e) Characteristics of malignancy.

SECTION B

3. (a) Describe the morphology, cultural characteristics and suppurative lesions caused by staphylococci. (10)

(b) Write in brief about the non-suppurative lesions of streptococci. (5)

4. Write short notes on : (5 × 5 = 25)

(a) Bacterial flagella

(b) Cold sterilization

(c) Candida albicans

(d) Herpes simplex virus

(e) Life cycle of Ascaris worm.

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FEBRUARY 2008

[KS 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations — III)

Paper II — GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code : 544135

Time : Three hours Maximum : 100 marks

Descriptive : Two hours and forty minutes Descriptive : 80 marks

Objective : Twenty minutes Objective: 20 marks

Answer Sections A and B in the **Separate** Answer Book.

Answer ALL questions.

SECTION A

(GENERAL PATHOLOGY)

1. Essay :

(a) Define amyloidosis.

(b) Classification of amyloidosis.

(c) Discuss the pathologic changes in various organs. (2 + 5 + 8 = 15)

2. Short notes : (5 × 5 = 25)

(a) Cellular events in acute inflamation.

(b) Pathogenesis of oedema.

(c) Mechanism and biology of invasion and metastasis.

(d) Actinomycosis.

(e) Laboratory findings in megaloblastic anaemia.

SECTION B

(MICROBIOLOGY)

3. (a) Define sterilization. What are the various methods of moist heat sterilization? (2 + 3)

(b) Discuss in detail about sterilization by autoclaving. (10)

4. Write short notes on : (5 × 5 = 25)

(a) Bacterial spore.

(b) Transport media.

(c) Hepatitis B virus lab diagnosis.

(d) Oppurtunistic mycoses.

(e) VDRL Test.

August 2008

[KT 656] **Sub. Code: 4135**

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)
Paper II– GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book
ANSWER ALL QUESTIONS

SECTION A
(GENERAL PATHOLOGY)

I. Essay: **(1 X 20 = 20)**

1. Define tumor. Enumerate the differences between benign and malignant Neoplasms.

II. Write short notes on: **5 X 6 = 30 Marks**

1. Basal cell carcinoma.
2. Lepromatous Leprosy.
3. Fatty change.
4. Necrosis.
5. Chemotaxis.

SECTION B
(MICROBIOLOGY)

I. Essay: **1 X 20=20 Marks**

1. Discuss streptococci under the following headings:
   a. Morphology.
   b. Classification.
   c. Dental caries.
   d. Laboratory diagnosis

II. Write short notes on: **5 X 6 = 30 Marks**

1. Autoclave.
2. Widal test.
3. Rabies Vaccine.
4. Transport Media.
5. Polio Vaccine.

February 2009

[KU 656] **Sub. Code : 4135**

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper II– GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book

Answer **ALL** questions.

SECTION – A
(GENERAL PATHOLOGY)

I. Essays : **(2 x 20 = 20)**

1. Describe the various methods of spread of tumors.

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

1. Fat embolism.
2. Infarction.
3. Dystrophic calcification.
4. Megaloblastic anaemia.
5. Necrosis.

SECTION – B
(MICROBIOLOGY)

I. Essays : **(2 x 20 = 20)**

1. Classify immunity and describe active immunity with examples.

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

1. Auto clave.
2. Streptococcal infections.
3. Entamoeba histolytica.
4. Hepatitis B virus.
5. Opportunistic fungi.

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August 2009

[KV 656] **Sub. Code : 4135**

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper II– GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book

Answer **ALL** questions.

SECTION A
(GENERAL PATHOLOGY)

I. Essays : **(2 x 20 = 20)**

1. Define thrombosis. Describe the pathogenesis, morphology and fate of thrombus.

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

1. Phagocytosis.
2. Air embolism
3. Basal cell carcinoma.
4. Primary complex.
5. Tuberculoid leprosy.

SECTION B
(MICROBIOLOGY)

I. Essays : **(2 x 20 = 20)**

1. Define sterilization. What are the various methods of dry heat sterilization? Discuss in detail about hot air oven.

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

1. Polio vaccine.
2. Entamoeba histolytica.
3. Cell mediated immunity.
4. Lab diagnosis of hepatitis B virus.
5. Candida albicans.

*****

February 2010

[KW 656] **Sub. Code : 4135**

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper II– GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book

Answer **ALL** questions.

SECTION – A
(GENERAL PATHOLOGY)

I. Essays : **(2 x 20 = 20)**

1. a) Define neoplasia.
   b) Enumerate the differences between benign and malignant tumours.
   c) Summary of chemical carcinogenesis.

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

1. Giant cells.
2. Gangrene.
3. Tertiary syphilis.
4. Aphthous ulcer.
5. Megaloblastic anaemia.

SECTION – B
(MICROBIOLOGY)

I. Essays : **(2 x 20 = 20)**

1. a) Define sterilization.
   b) Name the various agents used in sterilization.
   c) Write in detail about autoclave.

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

1. Cell wall.
2. Acquired immunity.
3. Elisa.
4. V D R L test.
5. Candida albicans.

*****

August 2010

[KX 656] **Sub. Code: 4135**

SECOND B.D.S DEGREE EXAMINATION

(Modified Regulations – III)

Paper II – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book
Answer ALL Questions

SECTION A
(GENERAL PATHOLOGY)

I. Essay: **1 x 20 =20 Marks**

1. a) Define Apoptosis.
   b) Discuss the Molecular mechanisms of Apoptosis.
   c) Describe the Pathological changes in Apoptosis.

II. Write short notes on: **5 x 6 = 30 Marks**

1. Secondary Tuberculosis.
2. Fracture Healing.
3. Radiation Carcinogenesis.
4. Hereditary Spherocytosis.
5. Amniotic fluid embolism.

SECTION B
(MICROBIOLOGY)

I. Essay: **1 x 20 =20 Marks**

1. Define Disinfection. What are the various methods of disinfection? Discuss in detail about Phenolic disinfectants. Write about the aldehydes in detail.

II. Write short notes on: **5 x 6 = 30 Marks**

1. Bacterial cell wall.
2. Differential Media.
3. Widal Test.
4. Laboratory Diagnosis of HIV infection
5. Ankylostoma Duodenale.

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February 2011

[KY 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations – III)

Paper II– GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P. Code: 544135

Time: Three hours **Maximum: 100 Marks**

Answer Sections A and B in the Separate Answer Book

Answer **ALL** questions

SECTION A
(GENERAL PATHOLOGY)

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

1. Define a Thrombus. Discuss in detail the aetio-pathogenesis of thrombosis. Write briefly the fate of a thrombus.

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

1. Staining characteristics of Amyloid.
2. Dystrophic calcification.
3. Chronic Myeloid Leukemia.
4. Chemical carcinogens.
5. Renal oedema.

SECTION B
(MICROBIOLOGY)

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

1. Briefly describe the pathogenesis, laboratory diagnosis and prophylaxis of corynebacterium diphtheria.

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

1. Nosocomial infection.
2. Chemical disinfectants.
3. Anaphylaxis.
4. Candida albicans.
5. Laboratory diagnosis of HIV infection.

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August 2011

[KZ 656] **Sub. Code : 4135**

SECOND B.D.S. DEGREE EXAMINATION

GENERAL PATHOLOGY AND MICROBIOLOGY

Q. P. Code : 544135

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.

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Februray 2012

[LA 656] **Sub. Code: 4135**

SECOND B.D.S. DEGREE EXAMINATION

PAPER – II

GENERAL PATHOLOGY AND MICROBIOLOGY

Q .P .Code: 544135

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 Amyloidosis. Discuss in detail the Etiology, Pathogenesis and Morphological changes in various organs in Amyloidosis.

II. Write notes on: **(5×5=25)**

1. Megaloblastic Anemias.
2. Granulomatous Inflammation and its Examples.
3. Infective Endocarditis.
4. Basal cell carcinoma.
5. Oncogenes and Anti – oncogenes.

SECTION – B

(MICROBIOLOGY)

I. Elaborate on: **(1×10=10)**

1. Describe morphology, clinical course of disease, oral lesions and lab diagnosis of syphilis.

II. Write notes on: **(5×5=25)**

1. Difference between amoebic and bacillary dysentery.
2. Bacteriophage – Structure and significance
3. Oral lesions of systemic mycosis
4. Widal test
5. Functions of immune system.

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[**LB 656**] **AUGUST 2012** **Sub. Code: 4135**

SECOND YEAR B.D.S. DEGREE EXAM

PAPER II – GENERAL PATHOLOGY AND MICROBILOGY

Q .P .Code: 544135

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

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[**LC 656]** **FEBRUARY 2013** **Sub. Code: 4135**

SECOND YEAR B.D.S. DEGREE EXAM

PAPER II – GENERAL PATHOLOGY

AND MICROBILOGY

Q .P .Code: 544135

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.

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[**LD 656**] **AUGUST 2013** **Sub. Code: 4135**

SECOND YEAR B.D.S. DEGREE EXAM

PAPER II – GENERAL PATHOLOGY AND MICROBILOGY

Q .P .Code: 544135

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.

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