

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 Sec. A & Sec. B : 70 marks
for Sec. A and Sec. B 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

Sec. A & Sec. B : 70 marks

for Sec. A & 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. 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.

NOVEMBER - 2001

[KE 656]

Sub. Code : 4135

SECOND B.D.S. DEGREE EXAMINATION.

(Modified Regulations)

Paper II — GENERAL PATHOLOGY AND
MICROBIOLOGY

Time : Three hours

Two and a half hours

for Sec. A & Sec. B

Maximum : 100 marks

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
Two and a half hours
for Sec. A & Sec. B

Maximum : 100 marks
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
Two and a half hours
for Sec. A and Sec. B

Maximum : 100 marks
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.

APRIL - 2003

[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.

APRIL - 2003

[KI 656]

Sub. Code : 4135

SECTION B

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 & 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

(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.

(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.

OCTOBER - 2003

[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 Sec. A & B : 80 marks
forty minutes

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) Klinefelters 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.

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.**

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 Sec. A & B : 80 marks
forty minutes**

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 : 4185

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 deficiency 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 × 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 × 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 Descriptive : 80 marks
forty minutes**

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.**

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 inflammation.

(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) Opportunistic 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 vaccine.
2. Streptococcal infections.
3. Entamoeba histolytica.
4. Hepatitis B virus.
5. Opportunistic fungi.

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.

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.

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.

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.

[LB 656]

AUGUST 2012

Sub. Code: 4135

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

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 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: 4135

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

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.

[LD 656]

AUGUST 2013

Sub. Code: 4135

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

**SECOND YEAR B.D.S. DEGREE EXAM
PAPER II – GENERAL PATHOLOGY AND MICROBIOLOGY
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 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: 4135

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

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 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.
