

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.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 Inflammation. Discuss the chemical mediators of Inflammation.

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

1. Systemic and oral manifestations of AIDS.
2. Apoptosis.
3. Caisson's Disease.
4. Grading and staging of tumour.
5. Idiopathic Thrombocytopenic Purpura (ITP).

SECTION – B
(MICROBIOLOGY)

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

1. Define sterilisation. Write in detail about the physical methods of sterilisation.

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

1. Taeniasis.
2. Gene transfer methods.
3. Laboratory diagnosis of Treponema pallidum.
4. Prophylaxis of Rabies.
5. Dimorphic fungi.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 Neoplasia. Discuss the routes of spread of malignant tumours.

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

1. Dry Gangrene.
2. Type I Hypersensitivity.
3. Blood and Bone marrow picture of Chronic Myeloid Leukaemia.
4. Congenital Syphilis.
5. Types of Infarcts.

SECTION – B
(MICROBIOLOGY)

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

1. Write the morphology, culture, antigenic structure, pathogenesis and laboratory diagnosis of Salmonella typhi.

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

1. Autoclave.
2. Acquired immunity.
3. Gas gangrene.
4. Lab diagnosis of Hepatitis B infection.
5. Candidiasis.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 shock. What are the types of shock? Discuss the pathogenesis of septic shock.

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

1. Squamous cell Carcinoma.
2. Primary complex.
3. Define and classify different types of Leukemia.
4. Cytokinins.
5. Dystrophic calcification.

SECTION – B
(MICROBIOLOGY)

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

1. Describe the pathogenesis and laboratory diagnosis of syphilis.

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

1. Transport media.
2. Type I hypersensitivity reaction.
3. Cultivation of viruses.
4. Moniliasis.
5. Roundworm infestation.

[LM 656]

FEBRUARY 2018

Sub. Code: 4206

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 Inflammation. Discuss the cellular events of acute inflammation.

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

1. Fatty change of Liver.
2. Fate of Thrombus.
3. Congenital Syphilis.
4. DIC.
5. Blood and Bone marrow picture of AML.

SECTION – B
(MICROBIOLOGY)

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

1. Define Sterilisation. Classify and write in detail about Dry Heat Sterilisation.

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

1. Transport Media.
2. Antigens, toxins enzymes of staphylococcus aureus.
3. Widal Test.
4. Microfilaria.
5. Oral microbial Flora.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 Shock. Write the classification of shock. Discuss the etiopathogenesis and complication of septic shock.

II. Write Notes on: **(3 x 5 = 15)**

1. Differences between Benign and Malignant tumor.
2. Role of complements in Inflammation.
3. Types and etiological aspects of Gangrene.

III. Short answers: **(5 x 2 = 10)**

1. Give two examples for Physiological and Pathological giant cells.
2. Scurvy.
3. Barr body.
4. Virchows Triad.
5. Pernicious Anemia.

SECTION – B
(MICROBIOLOGY)

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

1. Describe the bacterial cell in brief with neat diagram.

II. Write Notes on: **(3 x 5 = 15)**

1. Bio medical waste management guidelines.
2. Opportunistic fungal infections.
3. Prophylaxis of Clostridium Tetani.

III. Short answers: **(5 x 2 = 10)**

1. Immunoglobulins.
2. What is a Dane particle and who are Hepatitis B Carriers?
3. What is excystation and encystation in life cycle of Entamoeba histolytica?
4. Write uses of Dark field and phase contrast microscopes.
5. Enriched Media.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 Neoplasia. Discuss Chemical Carcinogenesis.

II. Write Notes on: (3 x 5 = 15)

1. Define and discuss the process of Metastasis.
2. Granuloma – Types and Mechanism of formation.
3. Brown Induration of Lungs.

III. Short answers: (5 x 2 = 10)

1. Opportunistic infections.
2. Trisomy 21.
3. Differences between transudate and exudate.
4. Give two examples for Physiological and Pathological atrophy.
5. Leukemoid reaction.

SECTION – B
(MICROBIOLOGY)

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

1. Write the morphology, cultural characteristics, pathogenesis and laboratory diagnosis of Mycobacterium Tubercle Bacilli.

II. Write Notes on: (3 x 5 = 15)

1. Anaerobic culture methods.
2. Asexual cycle (Schizogony) of Malaria parasite.
3. Oral Thrush.

III. Short answers: (5 x 2 = 10)

1. Gene transfer methods.
2. What is meant by dental plaque and dental caries?
3. What is B-cells and T-cells?
4. Pasteurization.
5. Write 2 stains and 2 cultures used for fungal identification.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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 oedema. Write in detail about the pathogenesis of oedema.

II. Write Notes on: **(3 x 5 = 15)**

1. Pathologic Calcification.
2. Types of Embolism.
3. Fracture Healing

III. Short answers: **(5 x 2 = 10)**

1. Hemophilia.
2. Give three special stains for Amyloidosis.
3. What are the stages you see in the peripheral smear of chronic myeloid leukemia?
4. Give three microscopic changes in Diabetic Kidney.
5. Name two benign Salivary Gland tumors.

SECTION – B
(MICROBIOLOGY)

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

1. Define Hypersensitivity and explain in detail Type I Hypersensitivity reaction.

II. Write Notes on: **(3 x 5 = 15)**

1. Bacterial spore.
2. Hot air oven.
3. Dermatophytes.

III. Short answers: **(5 x 2 = 10)**

1. Bacteriophage.
2. Louis Pasteur.
3. Lymphogranuloma Venereum.
4. Herpes zoster.
5. Meningitis.

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

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. Describe the types and mechanisms of wound healing. What are the factors which affect wound healing? What are the complications of wound healing?

II. Write Notes on: **(3 x 5 = 15)**

1. Peripheral blood picture and Clinical manifestations of Iron deficiency anaemia.
2. Types of Necrosis with examples.
3. Arachidonic acid metabolites in inflammation.

III. Short answers: **(5 x 2 = 10)**

1. Albinism.
2. Name 4 pre-malignant conditions of oral cavity cancer.
3. Fate of thrombus.
4. Types of metastatic spread and one example of each.
5. Rickets.

SECTION – B
(MICROBIOLOGY)

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

1. Describe the pathogenicity and lab diagnosis of Hepatitis B virus.

II. Write Notes on: **(3 x 5 = 15)**

1. Autoclave.
2. Candidiasis.
3. Hydatid cyst.

III. Short answers: **(5 x 2 = 10)**

1. Transduction.
2. Dental plaque.
3. Morphology of Clostridium tetani.
4. Define Hypersensitivity.
5. Nosocomial infection.