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.  
5. Streptococcus mutans.

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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.
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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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 Corynebacterium diptheriae.

II. Write notes on:                                                                     (5×5=25)

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

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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

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SECONDB 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)


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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SECTION –A
(GENERAL PATHOLOGY)
I. Elaborate on: (1X10=10)


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)
5. Microfilaria.

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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

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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)  


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

1. Dental caries.  
3. Laboratory diagnosis of enteric fever.  
5. Hydatid cyst.  

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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.
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.

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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.
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.
5. Candida albicans.

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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.
5. Structure of Bacteriophage.