

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 1) Define thrombosis. Describe the aetiopathogenesis of thrombus formation. Add a note on fate of thrombus. 2+5+2=9

WRITE SHORT NOTES ON:

4x4=16

- 2) Septic shock
- 3) Hodgkin's lymphoma
- 4) Basal cell carcinoma
- 5) Fatty liver.

WRITE BRIEFLY ON:

5x2=10

- 6) Rothera's test
- 7) Erythrocyte Sedimentation Rate (ESR)
- 8) Tumor markers
- 9) Apoptosis
- 10) Atrophy

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Describe the morphology, pathogenesis, symptoms caused and prophylaxis of infections caused by Cl.tetani. 1+3+2+3=9

WRITE SHORT NOTES ON:

4x4=16

- 12) Actinomycosis
- 13) Anaphylactic type of hypersensitivity
- 14) Anaerobic culture methods
- 15) Passive immunity

WRITE BRIEFLY ON:

5x2=10

- 16) Human immunodeficiency virus
- 17) Widal test
- 18) Anti nuclear antibodies (ANA)
- 19) Mention the opportunistic fungal infections
- 20) Mention aldehydes group of disinfectants

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008

B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2016

SECOND BDS EXAMINATION

GENERAL PATHOLOGY & MICROBIOLOGY

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 21) Define edema. Explain the mechanism of edema and mention the causes of renal edema. 1+4+4=9

WRITE SHORT NOTES ON:

- 22) Spleen in Amyloidosis. 4x4=16
 23) Gumma
 24) Laboratory investigations of Iron deficiency anemia
 25) Gross and microscopic picture of osteoclastoma.

WRITE BRIEFLY ON:

- 26) Granulation tissue 5x2=10
 27) Eosinophilia
 28) Ghon's focus
 29) Phagocytosis
 30) List the factors which delay wound healing

PART-B-MICROBIOLOGY(35 MARKS)

- 31) Discuss the laboratory diagnosis and prophylaxis of Diphtheria 9

WRITE SHORT NOTES ON:

- 32) Enzyme Linked Immuno-Sorbent Assay (ELISA) 4x4=16
 33) Prophylaxis of Poliomyelitis
 34) Toxins and Enzymes of Streptococcus pyogenes
 35) Oral Candidiasis

WRITE BRIEFLY ON:

- 36) Herpes Simplex Virus infections 5x2=10
 37) Define Definitive Host with examples
 38) Periapical Abscess
 39) Secretory IgA
 40) BCG Vaccine

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B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2015

SECOND BDS EXAMINATION

GENERAL PATHOLOGY & MICROBIOLOGY

(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 41) Define neoplasia. Classify oncogenic viruses and explain the role of virus in carcinogenesis. 2+4+3=9

WRITE SHORT NOTES ON:4x4=16

- 42) Primary tuberculosis
43) Infarction
44) Healing of fracture
45) Mechanism of edema

WRITE BRIEFLY ON:5x2=10

- 46) Beta thalassemia major
47) Glycosuria
48) Neurogenic shock
49) Chemotaxis
50) Microscopy of osteoclastoma

PART-B-MICROBIOLOGY(35 MARKS)

- 51) Define sterilization. Describe about chemical disinfectants. 2+7=9

WRITE SHORT NOTES ON:4x4=16

- 52) Entamoeba histolytica
53) Louis Pasteur
54) Herpes virus
55) Candidiasis

WRITE BRIEFLY ON:5x2=10

- 56) Transport media
57) Routes of transmission of HIV infection
58) Mention the parasites found in peripheral blood smear
59) Draw a labeled diagram of IgA antibody
60) Alpha hemolytic streptococci

B.D.S. DEGREE EXAMINATION – JANUARY, 2015
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 61) Define inflammation. Describe the vascular changes. 2+7=9

WRITE SHORT NOTES ON:

4x4=16

- 62) Septic shock
63) Classification of amyloidosis
64) Hemophilia
65) Metastasis

WRITE BRIEFLY ON:

5x2=10

- 66) Osteoclastoma
67) Air embolism
68) Gumma
69) Peripheral smear appearance of iron deficiency anaemia
70) Rhinosporidiosis

PART-B-MICROBIOLOGY(35 MARKS)

- 71) Define and classify hypersensitivity. Add a note on type-I hypersensitivity. 2+3+4=9

WRITE SHORT NOTES ON:

4x4=16

- 72) Actinomycosis
73) Auto Clave
74) Bacterial cell wall
75) Laboratory diagnosis of diphtheria

WRITE BRIEFLY ON:

5x2=10

- 76) Name 4 (four) chemical disinfectants
77) Four infections caused by candida
78) Name four anaerobic bacteria
79) Coagulase test
80) Name four tape worms

B.D.S. DEGREE EXAMINATION – JUNE, 2014
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part 'A' should not be answered in Part 'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 81) Define edema. Explain the mechanism of edema and mention the causes of renal edema. 2+4+3=9

WRITE SHORT NOTES ON:4x4=16

- 82) Apoptosis
83) The cellular response in acute inflammation
84) Pathogenesis of Type I Diabetes Mellitus
85) Osteoporosis

WRITE BRIEFLY ON:5x2=10

- 86) Mention four microscopic differences between benign and malignant tumors
87) Granuloma
88) Ghon complex
89) Dystrophic calcification
90) Mention three benign and three malignant tumors of the salivary gland

PART-B-MICROBIOLOGY(35 MARKS)

- 91) Enumerate the causative agents of sore throat. Discuss the pathogenesis, laboratory diagnosis and complications of streptococcal pharyngitis. 2+3+2+2=9

WRITE SHORT NOTES ON:4x4=16

- 92) Anaphylaxis
93) Acquired immunity
94) Cultivation of viruses
95) Hot air oven

WRITE BRIEFLY ON:5x2=10

- 96) Oral lesions in syphilis
97) Define intermediate host with examples
98) Bacterial Flagella
99) Postexposure Prophylaxis (PEP) for HIV
100) Microbial flora in Dental Plaque

B.D.S. DEGREE EXAMINATION – JANUARY, 2014
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part'A' should not be answered in Part'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 1) Define thrombosis. Describe its pathogenesis. Add a note on fate of thrombus 2+4+3=9

WRITE SHORT NOTES ON:4x4=16

- 2) Metastatic calcification
3) Classification of anaemia
4) Chemical carcinogenesis
5) Aetiology and morphology of Leukoplakia

WRITE BRIEFLY ON:5x2=10

- 6) Nutmeg liver
7) Mycetoma
8) Rickets
9) Coagulative necrosis
10) Blood picture of chronic myeloid leukemia

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Define sterilization. Classify sterilization methods. Describe Autoclave. 2+4+3=9

WRITE SHORT NOTES ON:4x4=16

- 12) Role of bacteria in dental caries
13) Life cycle of E. Histolytica
14) IgM antibody
15) Actinomycetes

WRITE BRIEFLY ON:5x2=10

- 16) Mention lesions caused by Herpes simplex virus
17) Mention two differences between exotoxin and endotoxin
18) Name the parasitic diseases transmitted by mosquito bite
19) Gram tube test for candida
20) Hepatitis B vaccine

B.D.S. DEGREE EXAMINATION – JUNE, 2013
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours

Max. Marks : 70

Note: Answer Part A & B in separate answer books. Questions in Part'A' should not be answered in Part'B' and vice versa. Otherwise they will not be valued.

Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 21) Define shock. What are the types of shock? Discuss the mechanism of septic shock? 9

WRITE SHORT NOTES ON: 4x4=16

- 22) Leukemoid reaction
23) Peripheral blood and bone marrow picture in megaloblastic anaemia
24) Ewing's sarcoma
25) Pathologic calcification

WRITE BRIEFLY ON: 5x2=10

- 26) Cancrum Oris
27) Fate of a thrombus
28) Mention stains used for the demonstration of amyloid
29) Mention cell derived chemical mediators of acute inflammation
30) Dysplasia

PART-B-MICROBIOLOGY(35 MARKS)

- 31) Define and classify hypersensitivity. Write in detail about type-I hypersensitivity. =9

WRITE SHORT NOTES ON: 4x4=16

- 32) Autoclave
33) Acute Ulcerative Gingivitis
34) Laboratory diagnosis of diphtheria
35) Normal flora of human mouth

WRITE BRIEFLY ON: 5x2=10

- 36) Mode of transmission of HIV
37) Inclusion bodies
38) Define definitive host with example
39) Mention 4 antiviral agents
40) Two methods of demonstration of motility of bacteria

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419/404-SECOND B.D.S. DEGREE EXAMINATION – DECEMBER, 2012

General Pathology & Microbiology-(NR & OR)-Time : 3 Hours-Max. Marks : 70-Answer Part A & B in separate answer books. Questions in Part 'A' -should not be answered in Part 'B' and vice versa. Otherwise they will not be valued-Answer all questions-Draw neat labeled diagrams wherever necessary.

Part-a- pathology (35 marks)

- 1..Define metastasis. Describe the various routes of metastasis and add a note on mechanism=1+5+3=9m
- 2..Write short notes on: 4 x 4 =16m
 - a).Sickle cell anaemia
 - b) Gangrene
 - c) Basal cell carcinoma
 - d) Lepromatous leprosy
- 3..Write briefly on: 5 x 2=10m=
 - a).Actinomycosis
 - b).Osteoid osteoma
 - c).Wintrobe tube
 - d).Stages of phagocytosis
 - e).Histamine.

Part-b-microbiology(35 marks)

- 4..Classify staphylococci. Describe the lesions caused by s. Aureus and laboratory diagnosis of s. Aureus infection=2+4+3=9m
- 5..Write short notes on: 4 x 4=16m
 - a).Hot air oven
 - b) Bacterial growth curve
 - c).Agglutination reaction
 - d) Tuberculin test (mantoux test)
- 6..Write briefly on: 5 x 2=10m
 - a).Difference between active and passive immunity
 - b) Borrelia vincentii
 - c).Name two complications caused by plasmodium falciparum.
 - d). Anaerobic culture media.
 - e).Enumerate the lesions caused by candida albicans.

419/404-SECOND B.D.S. DEGREE EXAMINATION – JUNE, 2012

General Pathology & Microbiology-(NR & OR)-Time : 3 Hours-Max. Marks : 70

PART-A- PATHOLOGY (35 MARKS)

- 1..Define necrosis. What are the types of necrosis? Enlist the morphological features of different types of necrosis=9m

Write Short Notes On:4 x 4=16m

- 2..Peripheral blood picture and bone marrow findings in Iron deficiency anaemia.
- 3..Factors influencing wound healing
- 4..Etiopathogenesis of Thrombosis
- 5..Osteoclastoma.

Write Briefly On: 5 x 2=10m

- 6..Types of infarction
- 7..Four examples of Granulomatous inflammation
- 8..Mention Plasma derived chemical mediators of acute inflammation.
- 9..Mention types of carcinogens with two examples for each.
- 10..Mention four precancerous lesions of the oral cavity.

PART-B-MICROBIOLOGY(35 MARKS)

- 11.Write in detail about the Pathogenesis and Laboratory Diagnosis of Syphilis=9m

Write Short Notes On: 4 x 4=16m

- 12.Coagulase Test
- 13.Classification of Streptococci
- 14.IgM immunoglobulin
- 15.Hypersensitivity

Write Briefly On: 5 x 2=10m

- 16.Mention four Sexually Transmitted Infections
- 17.Mention Four Selective Media
- 18.Write a neat Labelled Diagram of HIV
- 19.Enumerate Antigen Antibody Reactions
- 20.Demonstration of Capsule

419/404-SECOND B.D.S. DEGREE EXAMINATION – DECEMBER,2011/JANUARY, 2012

GENERAL PATHOLOGY & MICROBIOLOGY-(NR & OR)-Time : 3 Hrs-Max. Mrks:70

PART-A- PATHOLOGY (35 MARKS)

- 1..Define Gangrene. What are the types of Gangrene? Write the differences between Dry and Wet gangrene=1+4+4=9m

Write Short Notes On:3 X 4=12m

- 2..Basal cell carcinoma
- 3..Megaloblastic anaemia
- 4..Pathogenesis of oedema
- 5..Granuloma

Write briefly on:5 x 2=10m

- 6..List the complications of diabetes mellitus
- 7..Healing by primary intention
- 8..Pyogenic osteomyelitis
- 9..Oral lesions of Syphilis
- 10.Vitamin A deficiency

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PART-B-MICROBIOLOGY(35 MARKS)

11. Define and classify antibodies. Add a note on structure and function of IgG=9m

Write short notes on: 4 x 4 =16.

12..Cell wall of bacteria 13. Tissue culture in virology 14..Pathogenesis of Tetanus

15. Laboratory Diagnosis of Human Immunodeficiency Virus infection

Write briefly on: 5 x 2=10m

16..Four infections caused by staphylococcus

17..Four infections caused by candida

18..Diagram of fertilised egg of ascaris lumbricoides

19. Four markers of hepatitis B virus

20. Four serological tests in syphilis

419/404-SECOND B.D.S. DEG. EXAMINATION – JUNE, 2011-GEN. PATH. & MICRO-(NR & OR)

Time : 3 Hours-Max. Marks : 70-Answer Part A & B in separate answer books. Questions in Part 'A' should

PART-A- PATHOLOGY (35 MARKS)

1..Define neoplasia. Write the differences between benign and malignant neoplasms. Enumerate the routes of spread of tumors=9m

Write Short Notes On: 4 X 4 =16m

2..Phagocytosis 3..Leukoplakia-etiology and morphology 4..Fate of thrombus 5..Primary complex

Write Briefly On: 5 X 2 =10m

6..Osteomalacia 7..Factors influencing wound healing 8..Mantoux test 9..Types of infarcts

10.Difference between exudate and transudate

PART-B-MICROBIOLOGY(35 MARKS)

11.Enumerate the organisms causing sore throat. Write in detail about the pathogenesis and laboratory diagnosis of Corynebacterium Diphtheriae=9m

Write Short Notes On: 4 X 4 =16m

12.Flagella 13.Life cycle of E. Histolytica 14.Dental Caries 15.Laboratory Diagnosis of Pulmonary Tuberculosis

Write Briefly On: 5 X 2 =10m

16.Mention four opportunistic infections in HIV 17.Enumerate four non sporing anaerobes

18.Define Antigen 19.Mention four live vaccines 20.Four functions of IgG

419/404-SECOND B.D.S. DEGREE EXAMINATION – DECEMBER, 2010/JANUARY, 2011

PART-A- PATHOLOGY (35 MARKS)

1..Define thrombosis. Describe the etiopathogenesis of thrombus formation. Add a note on fate of a thrombus=9m

Write Short Notes On:

2..Define granuloma and give four examples of granulomatous inflammation

3..Fatty liver-causes and morphology 4..Premalignant lesions 5..Mechanism of wound healing

Write Briefly On: 5 X 2 =10m

6..Types of shocks 7..PCV 8..Clinical features of Vitamin D deficiency 9..Hemophilia

10.Reticulocyte

PART-B-MICROBIOLOGY(35 MARKS)

11. Write a neat labeled diagram of bacterial cell. Add a note on cell wall of bacteria=9m

Write Short Notes On: 4 X 4 =16

12.Life cycle of plasmodium falciparum 13.Laboratory diagnosis of streptococcal pharyngitis

14.Gaseous disinfectants and uses

15.Structure and function of IgM

Write Briefly On: 5 X 2 =10m

16.Four differences between active and passive immunity 17.Name four DNA viruses

18.Name four selective media

19.Four modes of transmission of infection

20.Name four staining techniques in microbiology

419-SECOND B.D.S. DEGREE EXAMINATION – JANUARY, 2010 GENERAL PATHOLOGY &

PART-A- PATHOLOGY (35 MARKS)

1..Define edema. Explain the mechanism of edema and mention the causes of renal edema=9m

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Write Short Notes On: 4 X 4 =16m

2.Granuloma 3Thrombocytopenic purpura 4Gross & microscopic picture of osteosarcoma 5..Gas gangrene

Write Briefly On: 5 X 2 =10m=6..Benedict's test 7..Tumour markers 8..Fat embolism

9..Scurvy 10.Metaplasia

PART-B-MICROBIOLOGY(35 MARKS)

11..Discuss the morphology, cultural characters & laboratory diagnosis of *Corynebacterium diphtheriae*=9m

Write Short Notes On: 4 X 4 =16m

12.Acquired Immunity 13.Anaerobic culture methods 14.Life cycle of *Plasmodium vivax* in man

15.*Streptococcus mutans*

Write Briefly On: 5 X 2 =10m

16.Candidosis 17.Mention four modes of infection of HIV 18.Louis Pasteur

19.Oral lesions in Syphilis 20.MMR Vaccine

404-SECOND B.D.S. DEGREE EXAMINATION – JANUARY, 2010-GENERAL PATHOLOGY, PART-A- PATHOLOGY (35 MARKS)

1..Discuss the differences between primary and secondary wound healing. Explain the sequence of events in repair of bone fracture=9m

Write Short Notes On: 4 X 4 =16m

2.Dystrophic calcification 3.Types of oedema 4.Characteristics of malignant tumors 5.Haemophilia

Write Briefly On: 5 X 2 =10m

6..Gumma 7..Nuclear changes in necrosis 8..Diapedesis 9..Microscopy of squamous cell carcinoma

10.Brown atrophy

PART-B-MICROBIOLOGY(35 MARKS)

11.Define and classify immunity. Describe briefly acquired immunity=9m

Write Short Notes On: 4 X 4 =16m,

12.Autoclave 13.Bacterial flagellum 14.Malaria 15.Rabies

Write Briefly On: 5 X 2 =10m

16.Name three sexually transmitted diseases 17.DPT Vaccine 18.Lesions caused by staphylococci

19.Draw structure of immunoglobulin- G (Ig G) 20.Robertson's cooked meat medium (RCM)

419-SECOND B.D.S. DEG. EXAMINATION – JUNE, 2009-GEN. PATHOLOGY & MICRO-N.R.) PART-A- PATHOLOGY (35 MARKS)

1..Define and classify anemias. Write the blood and bone marrow picture of megaloblastic anemia=9m

Write Short Notes On: 4 X 4 =16m

2..Gross and microscopic picture of basal cell carcinoma 3.Pyogenic Osteomyelitis

4..Differences between benign and malignant tumour 5.Chemical mediators of inflammation

Write Briefly On: 5 X 2 =10m

6.Caseation necrosis 7.Oncogene 8.Leukoplakia 9.Atheroma 10.Types of Hodgkin's lymphoma

PART-B-MICROBIOLOGY(35 MARKS)

11.Enumerate the causative agents of sore throat. Discuss the pathogenesis, laboratory diagnosis and complications of *Streptococcal pharyngitis*=9m

Write Short Notes On: 4 X 4 =16m

12.*Entamoeba histolytica* 13.Bacterial drug resistance 14.Chemical sterilizing agents 15.Anaphylaxis

Write Briefly On: 5 X 2 =10m

16.Vincent's angina 17.Nagler's reaction 18.Bacterial growth curve 19.Moniliasis 20.Widal Test

404-SECOND B.D.S. DEGREE EXAMINATION – FEBRUARY, 2009-GENERAL PATHOLOGY, PART – A (GENERAL PATHOLOGY)

1..Define Neoplasia. Give the differences between Benign and Malignant tumours=9m

Write Short Notes On: 4x4=16m

2..Iron deficiency anemia. 3. Infarct. 4. Congenital syphilis 5. Pellagra

Write Briefly=5x2=6..Metastatic calcification. 7. E.S.R 8. Giant cell 9. Anasarca 10.Necrosis.

PART – B (PARASITOLOGY & MICROBIOLOGY)

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11. Define sterilization. Classify sterilization and write about chemical methods of sterilization=9m

Write Short Notes On=4x4=16m

12. Widal Test. 13. Coagulase Test. 14. Prophylaxis of Tetanus. 15. Coombs Test.

Write Briefly On: 5x2=10

16. Write about opportunistic fungi causing infection. 17. Mention four bacteria causing Meningitis.

18. Two important methods for diagnosing AIDS infection.

19. Tell about four species of parasites producing malarial fever.

20. Tell about two important methods tried for isolating mycobacterium Lepae.

404-SECOND B.D.S. DEG. EXAMINATION – JUNE, 2009-GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY-(Old Regulations)

PART-A- PATHOLOGY (35 MARKS)

1. Define neoplasia and write in detail the spread of malignancy=9m

Write Short Notes On: 4 X 4 =16m

2. Actinomycosis 3. Irreversible cell injury 4. Shock 5. Neoangiogenesis

Write Briefly On: 5 X 2 =10m

6. Apoptosis 7. Difference between transudate and exudates 8. Granuloma 9. Gangrene

10. Pleomorphism

PART-B-MICROBIOLOGY(35 MARKS)

11. Classify streptococci. Describe the morphology, cultural characteristics, pathogenicity and lab diagnosis of streptococcus pyogenes=9m

Write Short Notes On: 4 X 4 =16m

12. Hot Air Oven 13. Antimicrobial susceptibility testing 14. Vaccines 15. Hepatitis B. virus

Write Briefly On: 5 X 2 =10m

16. Oral Thrush 17. Microfilaria 18. Draw various morphological forms of entamoeba histolytica

19. Rhinosporidiosis 20. Enumerate four oral pathogenic bacteria

404-SECOND B.D.S. DEGREE EXAMINATION – JULY, 2008-GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY

PART – A (GENERAL PATHOLOGY)

1. Define inflammation. Mention the cardinal signs & discuss the vascular events of acute inflammation=9m

Write short notes on=4x4=2. Characteristics of benign tumors 3. Characteristics of dry and wet gangrene

4. Idiopathic thrombocytopenic purpura (ITP) 5. Osteosarcoma

Write briefly on: 5 x 2 =6. Chemotaxis 7. Microscopy of lepromatous leprosy 8. Hyaline degeneration

9. Metastatic calcification 10. Blood picture in acute myeloid leukaemia

PART – B (PARASITOLOGY & MICROBIOLOGY)

11. Classify staphylococcus. Describe the morphology, cultural characters, pathogenicity, Toxins and other virulence factors of staphylococcus aureus=9m

Write short notes on:= 4x4=12. Hydatid cyst 13. Lesions of candida albicans

14. Lab diagnosis of Hepatitis-B infection 15. Autoclave

Write briefly on:= 5x2=10m

16. Mention two important Non-suppurative complications of post streptococcal pyogenic infection.

17. Write four differences between Exotoxin and Endotoxin.

18. Name four groups of E-coli causing diarrheal diseases more common in infants.

19. Mention four important bacteria causing urinary tract infection and also write what is significant bacteriuria

20. Mention three important actinomycetic lesions in man.

404-Second B.D.S. Degree Exam. – March, 2008-General Pathology , Parasitology & Microbiology-

PART – A (GENERAL PATHOLOGY)

1. Define and classify anemia. Discuss the etiopathogenesis & laboratory diagnosis of iron deficiency anemia=9m

Write Short=4x4=2. Morphology of tubercle 3. Fate of thrombus 4. Metaplasia 5. Basal cell carcinoma

Write Briefly=5x2=6. Stages of phagocytosis 7. Skeletal lesions of Rickets 8. Dystrophic calcification

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9. Microscopy of Rhinosporidiosis 10. Cardinal signs of acute inflammation

PART – B (PARASITOLOGY & MICROBIOLOGY)

1. Classify spirochetes. Describe the morphology, cultural characters pathogenicity of Treponema Pallidum. Write about the standard Tests done for syphilis=9m

Write Short Notes On:= 4x4=16

2. Cell wall of the bacteria 3) IgM. Immunoglobulin 4) Microfilaria 5) Virus culture of Egg

Write Brief Answers On: =5x2=6. Mention two important live viral vaccines.

7. Mention two important Media for culturing fungi

8. Write two important organisms causing Nosocomial infection

9. Quick method of diagnosing Cryptococcus Neoformans 10. Mention two oral fungal infections

404-NR-B.D.S. DEGREE EXAMINATION –OCTOBER, 2007-SECOND BDS EXAMINATION

Part-a (General Pathology)

1. Write briefly on primary and secondary healing process =9m

Write short notes on: 4 x 4 =16m; 2. Pernicious anemia 3. Difference between benign and malignant tumour

4. Emboli 5. Chronic inflammation Amyloid

Write briefly on: 5 x 2 =10m; 6. Granulation tissue 7. Hyperplasia 8. Keloid scar 9. Opsonization 10. Ulcer

Part-B (Parasitology & Microbiology)

11. Describe the life cycle of Ankylostoma duodenale. Write a note on pathogenicity and Laboratory diagnosis of Ankylostomiasis=9m

Write short notes on: 4 x 4=16m; 12. Immunoprophylaxis in tetanus 13. Acute ulcerative gingivitis

14. Flagella 15. Rhinosporidium

Write briefly on: 5 x 2=10m; 16. Name Agglutination tests used for diagnosis 17. Name capsulated bacteria

18. Name Micro organisms causing periapical abscess 19. Name three general characters of viruses

20. Mention the Micro organisms causing Meningitis

APRIL, 2007 -PART – A (GENERAL PATHOLOGY)

1. Define Necrosis. Discuss the aetiopathogenesis and morphology of various types of necrosis.=9m

2. Write short: 4x4=a) Classification of Tumors b) Chronic osteomyelitis c) Haemophilia d) Types of oedema

3. Write briefly on: 5x2=a) Cancrum oris b) Infectious mononucleosis c) Aplastic Anaemia d) Anaplasia

e) Basal cell carcinoma

PART – B(PARASITOLOGY & MICROBIOLOGY)

1. Define and classify sterilization. Write briefly on Moist heat of sterilization.=9m

2. Write short notes on: 4x4=16=a) Z.N. Stain b) Actinomycosis

c) Delayed Hypersensitivity d) Normal flora of the Human mouth

3. Write briefly on: 5x2=10=a) Mention three differences between Exotoxin and Endotoxin

b) Name three opportunistic fungi c) Name three gram positive bacilli

d) Name three lesions produced by Herpes Simplex e) Name three sexually transmitted diseases

SEPT, 2006

Part-A

1. Define and classify anaemias. Describe the peripheral blood picture of iron deficiency anaemia=9m

2. Write short notes on: 4 x 4 =16m; a) Metastatic calcification b) Special stains for demonstrating Amyloid

c) Pleomorphic Adenoma d) Anaphylactic shock

3. Write briefly on: 5 x 2 =10m; a) Cystic Hygroma b) Fate of thrombus c) Eosinophilia

d) Metaplasia e) Causes of prolonged bleeding time

Part-B (Parasitology and Microbiology)

4. Describe the morphology, cultural characters and pathogenicity of mycobacterium tuberculosis. Add a note on laboratory diagnosis of pulmonary tuberculosis=9m

5. Write sht : 4 x 4 =1a) Active immunity b) Immunoprophylaxis in poliomyelitis c) Autoclave d) Candida albicans

6. Write briefly on: 5 x 2 =10m; a) Define Septicaemia and bacteraemia

b) Mention 3 differences between Streptococcal Viridans and Pneumococci c) Name 3 RNA viruses

d) Name 3 selective Media and their uses e) Name the Micro organisms causing dental caries

APRIL, 2006

Part-A (General Pathology)

1. Define Neoplasia. Classify tumours. Discuss the modes of spread of malignant tumours=9m

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2. Write short notes on: 4 x 4 =16marks; a) Factors influencing wound healing b) Actinomycosis
c) Types of shock d) Pernicious Anaemia
3. Write briefly on: 5 x 2 =10marks; a) Oral lesions in congenital syphilis b) Causes of Neutrophilic leucocytosis
c) Angioedema d) Thrombocytopenia e) Lab diagnosis of enteric fever

Part-B (Parasitology & Microbiology)

4. Draw a neat diagram of bacterial cell. Add a note on bacterial cell wall=9m
5. Write short notes on: 4 x 4 =16marks; a) Amoebic dysentery b) Dental caries
c) Mechanisms of innate immunity in an individual d) Ziehl-Neelsen stain
6. Write briefly on: 5 x 2 =10marks; a) Principle of autoclave b) Prophylaxis against Hepatitis B
c) Laboratory diagnosis of Malaria d) Prophylaxis of tetanus e) Different morphological forms of bacteria

OCT-NOV-2005

Part-A

1. Define thrombosis. Discuss the etiopathogenesis and complications of thrombus. =9m
2. Write short notes on: 4 x 4 =16m; a) Phagocytosis b) Sequential stages in wound healing by first intention
c) Fat embolism d) Osteoclastoma
3. Write briefly on: 5 x 2 =10marks; a) Tripe response of lewis b) Classical haemophilia
c) Characteristics of dry gangrene d) Microscopy of amelanotic melanoma e) Microscopy of Tubercle

Part-B

4. Describe the morphology, clinical characters and laboratory diagnosis of diphtheria =9m
5. Write short notes on: 4 x 4 =16marks; a) Bacterial growth curve b) Autoclave c) Hepatitis B virus
d) Human cycle of malarial parasite.
6. Write briefly on: 5 x 2 =10marks; a) Name two enriched media and two transport media
b) Mention four modes of infection of HIV c) Name four diseases caused by streptococcus pyogenes
d) Name four vaccines e) Importance of Grams stain

MAR/APR.2005 (N.R.)

Part-A

1. Explain the characteristics of benign and malignant tumours =9marks
2. Write short notes on: 4 x 4 =16marks; a) Morphology of Granuloma b) Squamous cell carcinoma
c) Blood picture in Megaloblastic anaemia d) Osteosarcoma
3. Write briefly on: 5 x 2 =10marks; a) Carcinoma of the mouth b) Types of exudate with examples
c) Microscopy of fatty liver d) Lab diagnosis of ITP e) Basal cell carcinoma

Part-B

4. Define sterilization and disinfection. Add a note on moist heat sterilization =9marks
5. Write short notes on: 4 x 4 =16marks; a) Bacterial spore b) Oral Thrush c) Vincent's Angina
d) Differences between Active and Passive immunity
6. Write briefly on: 5 x 2 =10marks; a) Name the species of malarial parasites infecting humans
b) Name two sexually transmitted bacterial diseases c) Name four different classes of disinfectants
d) Name four diseases caused by Staphylococcus aureus
e) Name two media used by cultivation of corynebacterium diphtheriae

OCTOBER, 2004(N.R.)

Part-A (General Pathology)

1. Define and classify Degeneration. Discuss the etiopathogenesis and pathology of Fatty Liver =9marks
2. Write short answers on: 4 x 4 =16marks; a) Pathological calcification
b) Pleomorphic Adenoma of Salivary gland c) Pyogenic osteomyelitis
d) Blood picture in chronic myeloid leukaemia
3. Write briefly on: 5 x 2 =10marks; a) Types of necrosis with examples b) Microscopy of Spleen
c) Wear and Tear pigment d) Chemotaxis e) Leukoplakia of mouth

Part-B (Parasitology and Microbiology)

4. Describe the morphology, cultural characters, and corynebacterium diphtheriae =9marks
5. Write short notes on: 4 x 4 =16marks; a) Mention two oral fungal pathogens
b) Complications of plasmodium falciparum c) Mention four bacteria causing respiratory infection
d) Draw a diagram of Spore and Label e) Mention four Bacteria causing meningitis.

APRIL/MAY, 2004. (N.R.)

Part-A (General Pathology)

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1. Define inflammation. Discuss cellular events in Acute inflammation =9marks
2. Write short answers on: 4 x 4 =16marks;
a) Granuloma b) Healing by second intention c) Dystrophic calcification d) Congenital syphilis.
3. Write briefly on: 5 x 2 =10marks;
a) Types of Oedema b) Nutmeg liver c) Blood picture in Iron deficiency Anaemia
d) Name the pathways of spread of Malignant tumours d) Thrombocytopenia.

Part-B (Parastiology and Microbiology)

4. Describe the morphology and life cycle of Entamoeba histolytica. Write about laboratory diagnosis of intestinal amoebiasis. 9marks;
5. Write short answers on: 4 x 4 =16m. a) Different methods of Sterilization b) Modes of transmission of HIV
c) Flagella d) Koplik's spots.
6. Write briefly on: 5 x 2 =a) Types of active immunity with examples b) Different types of spores
c) Non suppurative lesions, caused by streptococcus pyogenes d) Ziehl-Neelsen stain
e) Mention four selective media

OCTOBER, 2003. (N.R.)

APRIL, 2003. (N.R.)

Answer Part-A and B in **separate** answer books - Draw diagrams wherever necessary

Part-A (General Pathology)

1. Define Neoplasia. Give the differences between Benign and Malignant tumours =9marks
2. Write short notes on: 4 x 4 =16marks
a) Metastatic calcification b) Fate of thrombus c) Actinomycosis d) E.S.R.
3. Write brief answers on: 5 x 2 =10marks
a) Hypertrophy-define and give examples
b) Red infarct – How is it caused? How many types of infarcts are there?
c) Microscopic picture of osteosarcoma d) What is Leucocytosis? What are the causes.
e) What is Fatty liver? What are the causes

Part-B (Parastiology including Microbiology)

4. Define Sterilisation. Classify sterilization methods and write about physical methods of sterilization=9marks
5. Write short notes on: 4 x 4 =16marks
a) Structure of immunoglobulin b) Serum sickness c) Hydatid cyst d) Malignant pustule
6. Write briefly on the following: 5 x 2=a) Exotoxin b) Castaneda's method of culture
c) Koplik spots or bacteria in oral cavity d) Diagram of AIDS virus e) Inclusion bodies

OCTOBER, 2002

Part-A (General Pathology)

1. Define Granuloma- What are the causes and pathology of Granuloma =9marks
2. Write short answer: 4 x 4 =a) Basal cell carcinoma b) Phagocytosis c) Fat embolism d) Gangrene
3. Write briefly on: 5 x 2 =10marks -a) Candidiasis – What is it? What are the causes
b) Microscopic picture of Osteoclastoma c) Blood picture of chronic myeloid Leukemia
d) Metaplasia - What is it? Give examples e) Define teratoma

Part-B (Parasitology including Microbiology)

4. Define and classify Immunity. Discuss Acquired Immunity. =9marks
5. Write short answers on: 4 x 4 =a) Microfilaria b) Dental caries c) Capsule d) Blood agar
6. Write briefly: 5x2=a) Lesions caused by Staphylococcus aureus. b) Mention 3 enriched media and their uses
c) Growth curve d) Gram Stain e) Uses of Hot Air Oven

SECOND B.D.S. APRIL, 2000 – General pathology, Parasitology & Microbiology

Part-A (General Pathology)

1. Describe briefly serological diagnosis of syphilis =10marks
2. Short notes: a) Structure of Immunoglobulin b) Fungus affecting the hair c) Immunization of Rabies
d) Lab-diagnosis of corynebacterium Diphtheria in brief e) Actinomycosis f) Rhino sporidium=6x5=30

Part-B (Parasitology & Microbiology)

1. Describe the morphology, spread, prevention and lab diagnosis of Hepatitis B Virus =10marks
2. Short Notes: a) Widal Test b) Elisa c) Acquired active immunity d) Standard tests for syphilis
e) Name the Immunoglobulins and write about IgA f) Microfilaria =6x5=30marks

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APRIL, 1999.

Part-A

1. Define thrombosis. Discuss in brief the pathogenesis of thrombus for motion =10marks
2. Write short notes on: 6x5=a) Actinomycosis b) Dental caries c) Phagocytosis d) Spread of tumour
e) Blood picture of iron deficiency anaemia f) Cell mediated immunity

Part-B

3. Describe the morphology of bacterial cell with diagram briefly =10marks
4. Write short notes on: 6x5= a) Polio vaccines b) Sources of infection c) Entamoeba Gingivalis
d) V.D.R.L. Test e) Morphology diagnosis and diseases caused by candida albicans f) Prophylaxis of Tetanus.

OCTOBER, 1998.

Part-A

1. Define sterilization. Describe an auto-clave =10marks
2. Short Notes: a) Dental caries b) Immunoglobulin A c) Cultivation of Viruses
d) Immunization of Tatanus e) Lab diagnosis of entamoeba histolytica in brief
f) Cysticercus cellulosae =6x5=30marks

Part-B

3. Describe healing of a fracture. Enumerate the causes for nonhealing of a fracture =10marks
4. Short: a) Pancytopenia b) Scurvy c) Epulis d) Pleomorphic adenoma e) Caseous necrosis f) Atrophy =6x5

APRIL, 1998.

Part-A (General Pathology)

1. Define Inflammation. What are the cardinal signs of inflammation. Describe the vascular changes in inflammation =10
2. Short Notes: a) Spread of tumors b) Bleeding time c) Cell mediated immunity d) Primary complex
e) Burkitts Lymphoma f) Embolism =6x5=30marks

Part-B (Parasitology including Microbiology)

3. Mention the infection transmitted by blood and blood products and write in detail about any one agent =10
4. Short Notes: a) Enriched Media b) Cultural methods of Candida Albicans c) Congenital syphilis
d) Structure of Immunoglobulin e) Morphology of Entamoeba Gingivalis f) Cultivation of Virus =6x5

OCTOBER, 1997.

Part-A

1. Describe the morphology cultural characters and lab diagnosis of corny bacterium diphtheria –10marks
2. Short notes: a) Vincents Angine b) Hot Air oven c) Morphology and cultural characters of penumococci
d) Lock Jaw e) Immunization of Polio Myditis =5x5=25marks

Part-B

3. Discuss the aetiopathogenesis of nutritional oedema =10marks
4. Short Notes: a) Gangrene b) Dystrophic calcification c) Basal cell carcinoma d) Ameloblastoma
e) Hemophilia f) Varieties of Inflammation –6x5=30marks

APRIL, 1997. Time: 3hrs Marks: 75

Part-A

1. Describe morphology, cultural characters and laboratory diagnosis of corny bacterium diphtheria =10marks
2. Short Notes: a) Human Papilloma Virus b) Life cycle of Ancylostoma duodenal c) Stool examination
d) Sterilization e) Cysticercus cellulosae =5x5=25marks

Part-B

3. Discuss the aetiopathogenesis of odema =10marks
4. Short Notes: a) Fat necrosis b) Basal cell carcinoma c) Leukoplakia d) Pancytopenia
e) Pleomorphic Adenoma f) Granuloma =6x5=30marks

LENORA INSTITUTE OF DENTAL SCIENCES

OCTOBER, 1996.

Part-A

1. Describe morphology, cultural characters and laboratory diagnosis of pneumococcus. Give a brief account of bronchopneumonia =10marks
2. Write short notes on: 6x5=a) Life cycle of entamoeba histolytica b) Pneumocystis carinii c) Occult blood
d) Serologic diagnosis of syphilis e) Type-II Hypersensitivity reactions.

Part-B

3. Define sterilization and write about sterilization by moist heat =10marks
4. Write short notes on: 6x5=30m-a) Write briefly about capsule and give 2 examples of capsulated organisms.
a) Immunoglobulin-A c) Streptococcus viridans and dental caries
d) Importance of Hepatitis-B in dental surgery e) Oral Thrush

APRIL, 1996. Time-3hrs Marks:75

Part-A

1. Describe morphology, cultural characters and laboratory diagnosis of enteric fever =10marks
2. Short Notes- a) Cytomegalovirus b) Life cycle of Ascaris Lumbricoides c) Black water fever
d) Mumps e) Mycetoma

Part-B

1. Define infarction. Describe the pathology of Infarct. 10marks
2. Short Notes: a) Gumma b) Vitamin A deficiency c) Spread of tumors d) Erythrocyte sedimentation rate
e) Bone-marrow in megaloblastic anaemia f) Dentigerous cyst =6x5=30marks

OCTOBER, 1995.

Part-A

1. Discuss the etiology, pathogenesis and laboratory diagnosis of malaria =10marks
2. Short Notes: a) Primary complex in lung b) Sterilization by autoclave c) Larval forms of cestodes
d) Normal flora of mouth e) Examination of stool in amoebic dysentery =5x5=25marks

Part-B

3. Classify tumors and discuss the differences between benign and malignant tumors =10marks
4. Short Notes: a) Necrosis b) Bronzed diabetes c) Heart failure cells d) Lymphokines
e) Granulation tissue Packed cell volume =6x5=30marks