

Q.P. CODE:419/404

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

B.D.S. DEGREE EXAMINATION – JANUARY, 2019

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 inflammation. Classify the various chemical mediators of inflammation. Write a note on vasoactive amines. 1+5+3=9

WRITE SHORT NOTES ON:

4x4=16

- 2) Blood picture in megaloblastic anemia
3) Etiology and lesions in Scurvy
4) Gross and microscopic picture of basal cell carcinoma
5) Differences between benign and malignant tumour

WRITE BRIEFLY ON:

5x2=10

- 6) Benzidine test
7) Anaphylaxis
8) Fat embolism
9) Osteoma
10) Caseation necrosis

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Define and classify Hypersensitivity. Describe type 1 Hypersensitivity. 2+3+4=9

WRITE SHORT NOTES ON:

4x4=16

- 12) Nonsporing anaerobes
13) Streptococcus mutans
14) Autoclave
15) Measles virus

WRITE BRIEFLY ON:

5x2=10

- 16) Hepatitis B Vaccine
17) Endotoxin
18) Vincent's angina
19) Entamoeba histolytica
20) Transport media

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2018
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. Write the etiopathogenesis of thrombus formation. Add a note on fate of thrombus. | 2+4+3=9 |
| | <u>WRITE SHORT NOTES ON:</u> | 4x4=16 |
| 2) | Complications of Diabetes Mellitus | |
| 3) | Primary Complex | |
| 4) | Beriberi | |
| 5) | Gross and Microscopy of Osteoclastoma | |
| | <u>WRITE BRIEFLY ON:</u> | 5x2=10 |
| 6) | Routes of metastasis | |
| 7) | Nutmeg Liver | |
| 8) | Erythrocyte sedimentation rate | |
| 9) | Causes of proteinuria | |
| 10) | Cardinal signs of inflammation | |

PART-B-MICROBIOLOGY(35 MARKS)

- | | | |
|-----|--|-----------|
| 11) | Define and classify antibodies. Add a note on structure and functions of IgG | 2+3+2+2=9 |
| | <u>WRITE SHORT NOTES ON:</u> | 4x4=16 |
| 12) | Tissue culture and its applications | |
| 13) | Laboratory diagnosis of Pulmonary Tuberculosis | |
| 14) | Immune response in a non immune <i>Toxoplasma gondii</i> infected mother | |
| 15) | Hot air oven | |
| | <u>WRITE BRIEFLY ON:</u> | 5x2=10 |
| 16) | Mention two types of filters used in sterilization | |
| 17) | Mention two media used to culture <i>Candida</i> | |
| 18) | Mention some oncogenic viruses | |
| 19) | Difference between types 1 and 3 hypersensitivity reactions | |
| 20) | Mention two mycobacteria belonging to <i>Mycobacterium avium</i> complex | |

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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. 5+4=9

WRITE SHORT NOTES ON:

- 2) Idiopathic thrombocytopenic purpura 4x4=16
3) Risk factors of Atherosclerosis
4) Precancerous lesions
5) Causes of edema

WRITE BRIEFLY ON:

- 6) Fibrous dysplasia 5x2=10
7) Types of infarcts
8) Ghon focus
9) Dystrophic calcification
10) Liquefactive necrosis

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Define sterilization. Classify sterilization methods and write about chemical methods of sterilization. 1+3+5=9

WRITE SHORT NOTES ON:

- 12) Coombs Test 4x4=16
13) Entamoeba histolytica
14) Cultivation of Viruses
15) Life cycle of plasmodium vivax in Man

WRITE BRIEFLY ON:

- 16) Bacterial Growth curve 5x2=10
17) Oral Thrush
18) Oral lesions in Syphilis
19) Laboratory diagnosis of Salmonella Typhi
20) Draw structure of Immunoglobulin-G (IgG)

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5) Causes of edema

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- 6) Fibrous dysplasia 5x2=10
7) Types of infarcts
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20) Draw structure of Immunoglobulin-G (IgG)

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2017
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

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Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 1) Classify anemias. Explain the blood and bone marrow picture in iron deficiency anemia. 3+6=9

WRITE SHORT NOTES ON:

4x4=16

- 2) Phagocytosis
3) Beri beri
4) Syphilis
5) Chronic venous congestion of liver

WRITE BRIEFLY ON:

5x2=10

- 6) Caisson's disease
7) Air embolism
8) Ewing's sarcoma
9) Malignant melanoma
10) Ketone bodies

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Enumerate the etiology of sore throat. Discuss the pathogenesis, laboratory diagnosis and complications of Streptococcal Pharyngitis. 2+2+3+2=9

WRITE SHORT NOTES ON:

4x4=16

- 12) Type III Hypersensitivity Reaction
13) Pathogenesis of Candida albicans
14) Viridans Streptococci
15) Laboratory diagnosis of Hepatitis B Virus infection

WRITE BRIEFLY ON:

5x2=10

- 16) Pasteurization
17) R - Plasmids
18) Mention four bacteria causing Meningitis
19) Auto Clave
20) Viral Inclusion Bodies

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B.D.S. DEGREE EXAMINATION – JANUARY, 2017

SECOND BDS EXAMINATION

GENERAL PATHOLOGY & MICROBIOLOGY

(NR & OR)

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Max. Marks : 70

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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

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 edema. Explain the mechanism of edema and mention the causes of renal edema. 1+4+4=9

WRITE SHORT NOTES ON: 4x4=16

- 2) Spleen in Amyloidosis.
 3) Gumma
 4) Laboratory investigations of Iron deficiency anemia
 5) Gross and microscopic picture of osteoclastoma.

WRITE BRIEFLY ON: 5x2=10

- 6) Granulation tissue
 7) Eosinophilia
 8) Ghon's focus
 9) Phagocytosis
 10) List the factors which delay wound healing

PART-B-MICROBIOLOGY(35 MARKS)

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

WRITE SHORT NOTES ON: 4x4=16

- 12) Enzyme Linked Immuno-Sorbent Assay (ELISA)
 13) Prophylaxis of Poliomyelitis
 14) Toxins and Enzymes of Streptococcus pyogenes
 15) Oral Candidiasis

WRITE BRIEFLY ON: 5x2=10

- 16) Herpes Simplex Virus infections
 17) Define Definitive Host with examples
 18) Periapical Abscess
 19) Secretory IgA
 20) BCG Vaccine

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP

B.D.S. DEGREE EXAMINATION – JANUARY, 2016
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY

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Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

- 21) Define inflammation and enumerate the signs of inflammation. Write the cellular events in acute inflammation 2+3+4=9

WRITE SHORT NOTES ON:

- 22) Gross and histological appearance of pleomorphic adenoma
23) Gangrene
24) Pathological calcification
25) Scurvy

4x4=16

WRITE BRIEFLY ON:

- 26) Myeloblast
27) Packed cell volume
28) Fallot's tetralogy
29) Leukoplakia
30) Metaplasia

5x2=10

PART-B-MICROBIOLOGY(35 MARKS)

- 31) Classify immunity. Describe in detail about active immunity 4+5=9

WRITE SHORT NOTES ON:

- 32) Nosocomial infections
33) Diseases caused by Human Papilloma Virus and its prevention
34) Immunoprophylaxis of Rabies
35) Oral microbial flora

4x4=16

WRITE BRIEFLY ON:

- 36) Systemic mycosis
37) Type III hypersensitivity
38) Bacteria causing Meningitis
39) Oral lesions in Syphilis

5x2=10



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)

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

WRITE SHORT NOTES ON:

4x4=16

- 2) Primary tuberculosis
3) Infarction
4) Healing of fracture
5) Mechanism of edema

WRITE BRIEFLY ON:

5x2=10

- 6) Beta thalassemia major
7) Glycosuria
8) Neurogenic shock
9) Chemotaxis
10) Microscopy of osteoclastoma

PART-B-MICROBIOLOGY(35 MARKS)

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

WRITE SHORT NOTES ON:

4x4=16

- 12) Entamoeba histolytica
13) Louis Pasteur
14) Herpes virus
15) Candidiasis

WRITE BRIEFLY ON:

5x2=10

- 16) Transport media
17) Routes of transmission of HIV infection
18) Mention the parasites found in peripheral blood smear
19) Draw a labeled diagram of IgA antibody
20) Alpha hemolytic streptococci

B.D.S. DEGREE EXAMINATION – JANUARY, 2015

SECOND BDS EXAMINATION

GENERAL PATHOLOGY & MICROBIOLOGY

(NR & OR)

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Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

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

WRITE SHORT NOTES ON:

4x4=16

- 2) Septic shock
3) Classification of amyloidosis
4) Hemophilia
5) Metastasis

WRITE BRIEFLY ON:

5x2=10

- 6) Osteoclastoma
7) Air embolism
8) Gumma
9) Peripheral smear appearance of iron deficiency anaemia
10) Rhinosporidiosis

PART-B-MICROBIOLOGY(35 MARKS)

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

WRITE SHORT NOTES ON:

4x4=16

- 12) Actinomycosis
13) Auto Clave
14) Bacterial cell wall
15) Laboratory diagnosis of diphtheria

WRITE BRIEFLY ON:

5x2=10

- 16) Name 4 (four) chemical disinfectants
17) Four infections caused by candida
18) Name four anaerobic bacteria
19) Coagulase test
20) Name four tape worms

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

Time : 3 Hours

Max. Marks : 70

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Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

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

WRITE SHORT NOTES ON:

4x4=16

- 2) Apoptosis
3) The cellular response in acute inflammation
4) Pathogenesis of Type I Diabetes Mellitus
5) Osteoporosis

WRITE BRIEFLY ON:

5x2=10

- 6) Mention four microscopic differences between benign and malignant tumors
7) Granuloma
8) Ghon complex
9) Dystrophic calcification
10) Mention three benign and three malignant tumors of the salivary gland

PART-B-MICROBIOLOGY(35 MARKS)

- 11) 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

- 12) Anaphylaxis
13) Acquired immunity
14) Cultivation of viruses
15) Hot air oven

WRITE BRIEFLY ON:

5x2=10

- 16) Oral lesions in syphilis
17) Define intermediate host with examples
18) Bacterial Flagella
19) Postexposure Prophylaxis (PEP) for HIV
20) Microbial flora in Dental Plaque

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

Time : 3 Hours

Max. Marks : 70

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Answer all questions.

Draw neat labeled diagrams wherever necessary.

PART-A- PATHOLOGY (35 MARKS)

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

WRITE SHORT NOTES ON: 4x4=16

- 2) Leukemoid reaction
3) Peripheral blood and bone marrow picture in megaloblastic anaemia
4) Ewing's sarcoma
5) Pathologic calcification

WRITE BRIEFLY ON: 5x2=10

- 6) Cancrum Oris
7) Fate of a thrombus
8) Mention stains used for the demonstration of amyloid
9) Mention cell derived chemical mediators of acute inflammation
10) Dysplasia

PART-B-MICROBIOLOGY(35 MARKS)

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

WRITE SHORT NOTES ON: 4x4=16

- 12) Autoclave
13) Acute Ulcerative Gingivitis
14) Laboratory diagnosis of diphtheria
15) Normal flora of human mouth

WRITE BRIEFLY ON: 5x2=10

- 16) Mode of transmission of HIV
17) Inclusion bodies
18) Define definitive host with example
19) Mention 4 antiviral agents
20) Two methods of demonstration of motility of bacteria

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

Time : 3 Hours

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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

B.D.S. DEGREE EXAMINATION – DECEMBER, 2012
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours

Max. Marks : 70

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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=9

WRITE SHORT NOTES ON: 4x4=16

- 2) Sickle cell anaemia
3) Gangrene
4) Basal cell carcinoma
5) Lepromatous leprosy

WRITE BRIEFLY ON: 5x2=10

- 6) Actinomycosis
7) Osteoid osteoma
8) Wintrobe tube
9) Stages of Phagocytosis
10) Histamine.

PART-B-MICROBIOLOGY(35 MARKS)

- 11) Classify Staphylococci. Describe the lesions caused by S. aureus and laboratory diagnosis of S. aureus infection. 2+4+3=9

WRITE SHORT NOTES ON: 4x4=16

- 12) Hot air oven
13) Bacterial growth curve
14) Agglutination reaction
15) Tuberculin Test (Mantoux test)

WRITE BRIEFLY ON: 5x2=10

- 16) Difference between active and passive immunity
17) Borrelia Vincentii
18) Name two complications caused by Plasmodium falciparum.
19) Anaerobic culture media.
20) Enumerate the lesions caused by Candida albicans.

B.D.S. DEGREE EXAMINATION – JUNE, 2012
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR)

Time : 3 Hours
70

Max. Marks :

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 necrosis. What are the types of necrosis? 9
Enlist the morphological features of different types of necrosis.

WRITE SHORT NOTES ON: 4x4=16

- 22) Peripheral blood picture and bone marrow findings in Iron deficiency anaemia.
23) Factors influencing wound healing.
24) Etiopathogenesis of Thrombosis.
25) Osteoclastoma.

WRITE BRIEFLY ON: 5x2=10

- 26) Types of infarction
27) Four examples of Granulomatous inflammation
28) Mention Plasma derived chemical mediators of acute inflammation.
29) Mention types of carcinogens with two examples for each.
30) Mention four precancerous lesions of the oral cavity.

PART-B-MICROBIOLOGY(35 MARKS)

- 31) Write in detail about the Pathogenesis and Laboratory Diagnosis of Syphilis. 9

WRITE SHORT NOTES ON: 4x4=16

- 32) Coagulase Test
33) Classification of Streptococci
34) IgM immunoglobulin
35) Hypersensitivity

WRITE BRIEFLY ON:

5x2=10

- 36) Mention four Sexually Transmitted Infections
- 37) Mention Four Selective Media
- 38) Write a neat Labelled Diagram of HIV
- 39) Enumerate Antigen Antibody Reactions
- 40) Demonstration of Capsule



B.D.S. DEGREE EXAMINATION – DECEMBER,2011/JANUARY,2012
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR) PART - A – PATHOLOGY

1. Define Gangrene . What are the types of Gangrene? Write the differences between Dry and Wet gangrene. 9

WRITE SHORT NOTES ON:

4X4=16

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

5. Granuloma

WRITE BRIEFLY ON:

5X2=10

6. List the complications of diabetes mellitus 7. Healing by primary intention

8. Pyogenic osteomyelitis

9. Oral lesions of syphilis 10. Vitamin a deficiency

PART-B-MICROBIOLOGY (35 MARKS)

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

9

WRITE SHORT NOTES ON:

4X4=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:

5X2=10

16. Four infections caused by staphylococcus 17. Four infections caused by

candida 18. Diagram of fertilized egg of ascaris lumbricoides 19. Four markers

of hepatitis B virus 20. Four serological tests in syphilis

B.D.S. DEGREE EXAMINATION – DECEMBER,2011
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY
(NR & OR) PART - A – PATHOLOGY

PART – A – PATHOLOGY (35 Marks)

1. Define neoplasia. Write the differences between benign and malignant neoplasms. Enumerate the routes of Spread of tumors.

WRITE SHORT NOTES ON:

(4X4=16)

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

WRITE BRIEFLY ON:

5X2=10

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*

WRITE SHORT NOTES ON:

4X4=16

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

WRITE BRIEFLY ON:

5X2=10

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

B.D.S. DEGREE EXAMINATION – DECEMBER,2011
SECOND BDS EXAMINATION
GENERAL PATHOLOGY & MICROBIOLOGY

(NR & OR) PART - A - PATHOLOGY

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

WRITE SHORT NOTES ON:

4X4=16

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:

5X2=10

6. Types of shocks
7. PCV
8. Clinical features of vitamin D deficiency
9. Hemophilia
10. Reticulocyte

PART – B-MICROBIOLOGY

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

WRITE SHORT NOTES ON:

4X4=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 :

5X2=10

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

BDS DEGREE EXAMINATION-JUNE,2010
SECOND BDS EXAMINATION(old regulations)
GENERAL PATHOLOGY PARASITOLOGY & MICROBIOLOGY

PART-A-PATHOLOGY

1. Define & classify shock. Explain the pathogenesis of shock. Write a note on shock lung.

WRITE SHORT NOTES ON:

2. Blood picture in chronic myeloid leukemia.
3. Gross & microscopic picture of Osteoclastoma.
4. Difference between exudates and transudate
5. Phagocytosis.

WRITE BRIEFLY ON:

6. Giant cell
7. Albuminuria
8. prostaglandins
9. Types I hypersensitivity
10. Beri beri

PART-B

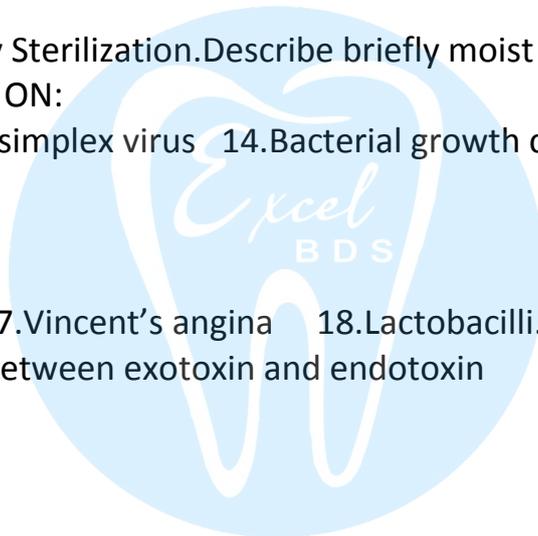
11. Define and classify Sterilization. Describe briefly moist heat sterilization.

WRITE SHORT NOTES ON:

12. AIDS
13. Herpes simplex virus
14. Bacterial growth curve
15. Anaphylaxis.

WRITE BRIEFLY ON:

16. Coagulase test
17. Vincent's angina
18. Lactobacilli.
19. Enriched media
20. Two differences between exotoxin and endotoxin



BDS DEGREE EXAMINATION-JUNE,2010
SECOND BDS EXAMINATION(new regulations)

GENERAL PATHOLOGY & MICROBIOLOGY

PART-A-PATHOLOGY

1. Define inflammation. Describe the chemical mediators of acute inflammation.

WRITE SHORT NOTES ON:

2. Peripheral Smear and bone marrow findings in megaloblastic anemia.

3. Gross and microscopic picture of pleomorphic salivary adenoma.

4. Metastatic calcification 5. ESR

WRITE BRIEFLY ON:

6. Nutmeg liver 7. Lines of Zahn 8. Eosinophilia 9. Sequestrum

10. Leukemoid reaction

PART-B MICROBIOLOGY

11. Define and classify sterilization. Describe methods of moist heat sterilization.

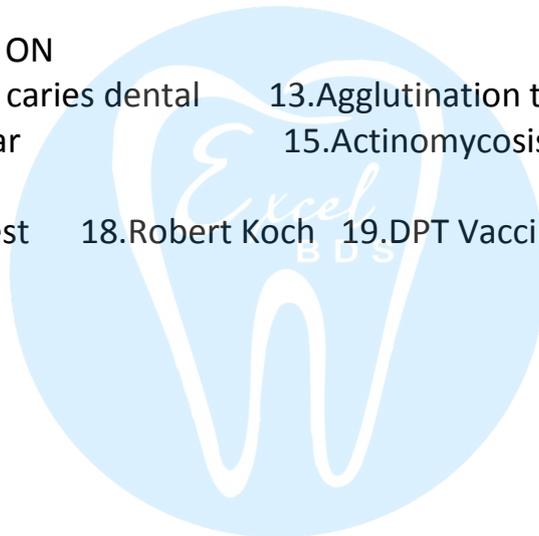
WRITE SHORT NOTES ON

12. Role of bacteria in caries dental 13. Agglutination tests with examples

14. McIntosh-Filde's jar 15. Actinomycosis

WRITE BRIEFLY ON:

16. IgA 17. VDRL Test 18. Robert Koch 19. DPT Vaccine 20. Candida albicans



SECOND BDS EXAMINATION-JANUARY 2010
GENERAL PATHOLOGY & MICROBIOLOGY (NEW REGULATIONS)
PART-A PATHOLOGY (35 MARKS)

Define edema. Explain the mechanism of edema and mention the causes of renal edema

WRITE SHORT NOTES ON;

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

WRITE BRIEFLY ON

6. Benidicts test 7. Tumour markers 8. Fat embolism 9. Scurvy 10. Metaplasia

PART-B-MICROBIOLOGY(35 MARKS)

11. Discuss the morphology, culture characters and laboratory diagnosis of *Corynebacterium diphtheria*.

9

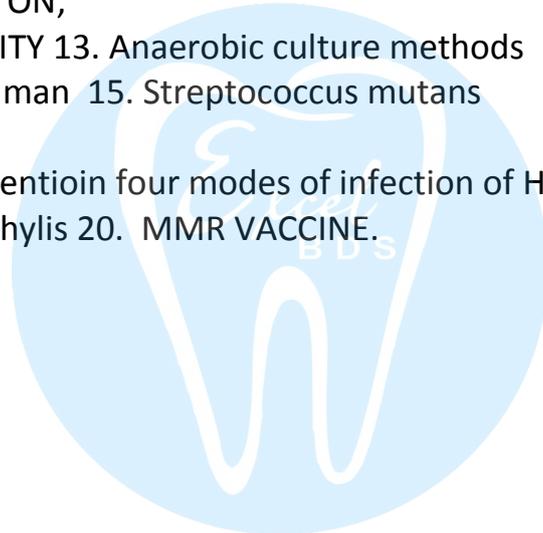
WRITE SHORT NOTES ON;

4X4=16

12. Acquired IMMUNITY 13. Anaerobic culture methods 14. Life cycle of *Plasmodium vivax* in man 15. *Streptococcus mutans*

WRITE BRIEFLY ON

16. Candidosis 17. Mention four modes of infection of HIV 18. Louis Pasteur 19. Oral lesions in Syphilis 20. MMR VACCINE.



SECOND BDS EXAMINATIONS- JANUARY 2010

GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY (OLD REGULATIONS)

PART-A-PATHOLOGY (35 MARKS)

1) Discuss the difference between primary and secondary wound healing. Explain the sequence of events in repair of bone fracture.

WRITE A SHORT NOTES ON:

- | | |
|--|--------------------|
| 2) Dystrophic calcification | 3) types of oedema |
| 4) Characteristics of malignant tumors | 5) Haemophilia |

WRITE BRIEFLY ON:

- | | | |
|--|--------------------------------|---------------|
| 6) Gumma | 7) Nuclear changes in necrosis | 8) Diapedesis |
| 9) Microscopy of squamous cell carcinoma | 10) Brown atrophy | |

PART-B-MICROBIOLOGY (35 MARKS)

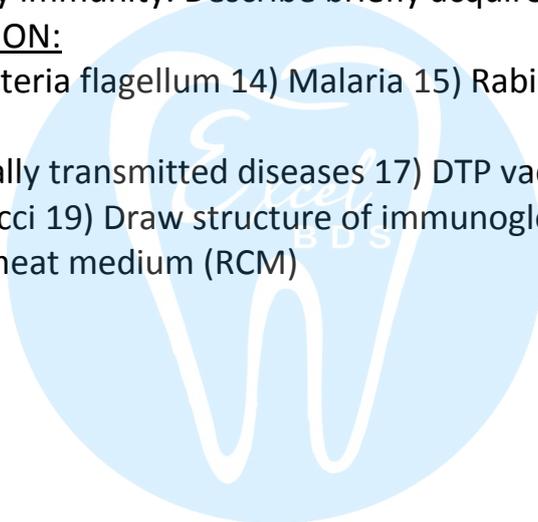
11) Define and classify immunity. Describe briefly acquired immunity.

WRITE SHORT NOTES ON:

- 12) Autoclave 13) Bacteria flagellum 14) Malaria 15) Rabies

WRITE BRIEFLY ON:

- 16) Name three sexually transmitted diseases 17) DTP vaccine 18) Lesions caused by staphylococci 19) Draw structure of immunoglobulin-G (Ig G) 20) Robertson's cooked meat medium (RCM)



GENERAL PATHOLOGY & MICROBIOLOGY –JUNE,2009
B.D.S 2ND YEAR

PART-A

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

WRITE SHORT NOTES ON:

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:

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

PART-B MICROBIOLOGY

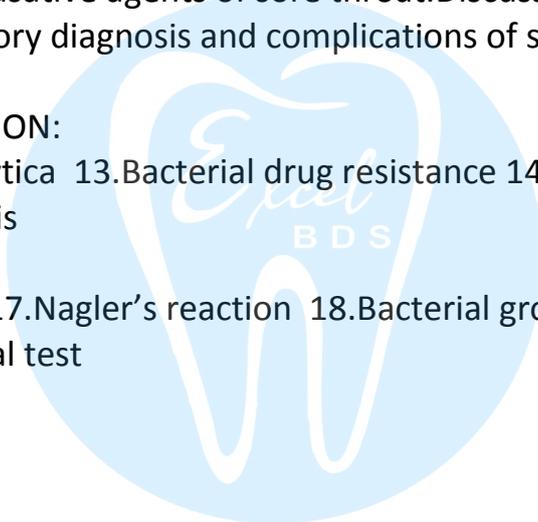
11. Enumerate the causative agents of sore throat. Discuss the pathogenesis, laboratory diagnosis and complications of streptococcal pharyngitis.

WRITE SHORT NOTES ON:

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

WRITE BRIEFLY ON:

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



GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY-FEBRUARY, 2009

B.D.S. SECOND YEAR

PART-A (GENERAL PATHOLOGY)

1. Define neoplasia. Give the difference between benign and malignant tumours.

WRITE SHORT NOTES ON:

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

WRITE BRIEFLY ON:

6. Metastatic calcification 7. E.S.R. 8. Giant cell 9. Anasarca 10. Necrosis

PART-B (PARASITOLOGY & MICROBIOLOGY)

11. Define sterilization. Classify sterilization and write about chemical methods of sterilization

WRITE A SHORT NOTES ON:

12. Widal test 13. Coagulase test 14. Prophylaxis of tetanus 15. Coombs test.

WRITE BRIEFLY ON:

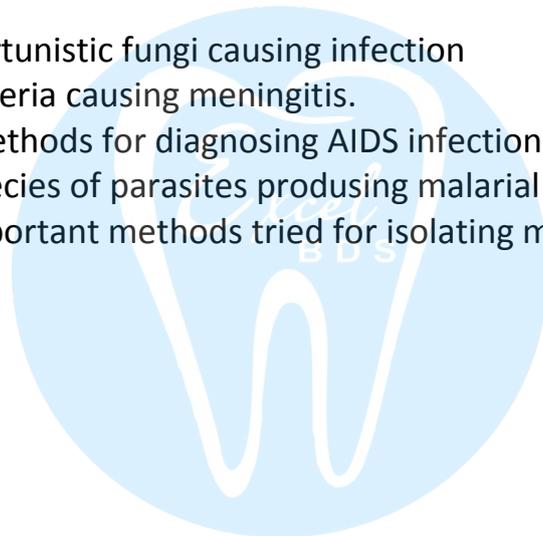
16. Write about opportunistic fungi causing infection

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.



GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY-JULY, 2008

B.D.S. SECOND YEAR

PART-A

1. Define inflammation. Mention the cardinal signs and discuss the vascular events of acute inflammation.

WRITE SHORT NOTES ON:

2. Characteristics of benign tumours 3. Characteristics of dry and wet gangrene

4. Idiopathic thrombocytopenic purpura (ITP) 5. Osteosarcoma

WRITE BRIEFLY ON:

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.

WRITE SHORT NOTES ON:

12. Hydatid cyst. 13. Lesions of candida albicans 14. Lab diagnosis of Hepatitis-B infection. 15. Autoclave

WRITE BRIEFLY ON:

16. Mention any 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

APRIL- 2008

GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY

PART – 1 (GENERAL PATHOLOGY)

1. Define and classify anemia. Discuss the etiopathogenesis and laboratory diagnosis

of iron deficiency anemia.

9

WRITE SHORT NOTES ON:

4X4=16

2. Morphology of tubercle 3) Fate of thrombus 4) Metaplasia 5) Basal cell carcinoma

WRITE BRIEFLY ON:

5X2=10

6) Stages of phagocytosis 7) Skeletal lesions of Rickets 8) Dystrophic calcification

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

PART – B (PARASITOLOGY & MICROBIOLOGY)

11) Classify spirochaetes. Describe the morphology, cultural characters pathogenecity

of *Trophoma pallidum*. Write about the standard Tests done for syphilis.

9

WRITE SHORT NOTES ON:

4X4=16

12) Cell wall of the bacteria 13) IgM. Immunoglobulin 14) Microfilaria

15) Virus culture of Egg

WRITE BRIEF ANSWERS ON:

5X2=10

16) Mention two important live viral vaccines.

17) Mention two important media for culturing fungi

18) Write two important organisms causing Nosocomial infection

19) Quick method of diagnosing *Cryptococcus Neoformans*

20) Mention two oral fungal infections

SECON BDS - OCTOBER, 2007
GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY
PART – A (GENERAL PATHOLOGY)

1. Write briefly on primary and secondary healing process. 9
Write short notes on: 4x4=16
2. Pernicious anemia
 3. Difference between and malignant tumour
 4. Emboli
 5. Chronic inflammation Amyloid
- Write briefly on: 5x2=10
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. 4x4=16
Write short notes on:
12. Immunoprophylaxis in tetanus
 13. acute ulcerative gingivitis
 14. Flagella
 15. Rhinosporidium
- Write briefly on: 5x2=10
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

2ND BDS, GENERAL PATHOLOGY, PARASITOLOGY & MICROBIOLOGY

APRIL – 2007

PART-A

1. Define Necrosis. Discuss the aetiopathogenesis and morphology of various types of necrosis. 9
2. Write short notes on: 4x4=16
 - a) Classification of Tumors
 - b) Chronic osteomyelitis
 - c) Haemophilia
 - d) Types of oedema
3. Write briefly on: 5x2=10
 - a) Cancer of the oral cavity
 - b) Infectious mononucleosis
 - c) Aplastic Anaemia
 - d) Anaplasia
 - e) Basal cell carcinoma

PART –B (PARASITOLOGY & MICROBIOLOGY)

4. Define and classify sterilization. Write briefly on Moist heat of sterilization. 9
5. Write short notes on:
 - a) Ziehl-Neelsen stain
 - b) Actinomycosis
 - c) Delayed Hypersensitivity
 - d) Normal flora of the Human mouth
6. 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

SEPTEMBER – 2006

PART-A

1. Define and classify anaemias. Describe the peripheral blood picture of iron deficiency anaemia. 9
2. Write short notes on : 4x4=16
 - a) Metastatic calcification
 - b) Special stains for demonstrating amyloid
 - c) Pleomorphic Adenoma
 - d) Anaphylactic shock.
3. Write briefly on: 5x2=10
 - a) cystic Hygroma
 - b) Fate of a 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. 9
5. Write short notes on: 4x4=16
 - a) Active immunity
 - b) Immunoprophylaxis in poliomyelitis
 - c) Autoclave
 - d) Candida albicans
6. Write briefly on: 5x2=10
 - a) Define Septicaemia and bacteraemia
 - b) Mention 3 differences between Streptococcal Viridans and pneumococci.
 - c) Name 3 selective Media and their uses
 - d) Name 3 RNA Viruses
 - 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
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 amenoblastoma
 - 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) Cancrum oris
 - 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 diphtheria

OCTOBER, 2004(N.R.)

Part-A (General Pathology)

1. Define and classify Degeneration. Discuss the etiopathogenesis and pathology of Fatty Liver =9

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 Sago spleen

c) Wear and Tear pigment d) Chemotaxis e) Leukoplakia of mouth

Part-B (Parasitology and Microbiology)

4. Describe the morphology, cultural characters, and corynaebacterium diphtheriae =9marks

5. Write short notes on: 4 x 4 =16marks;

a) Mention two oral fungal falciparum

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)

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 intension
 - 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.)

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) Castanedo's method of culture
 - c) Koplic sports 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

