

Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 2nd Year Examination - JANUARY- 2019
General & Dental Pharmacology & Therapeutics

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON (4×4=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 tumor

WRITE BRIEFLY ON: (5×2=10)

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

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

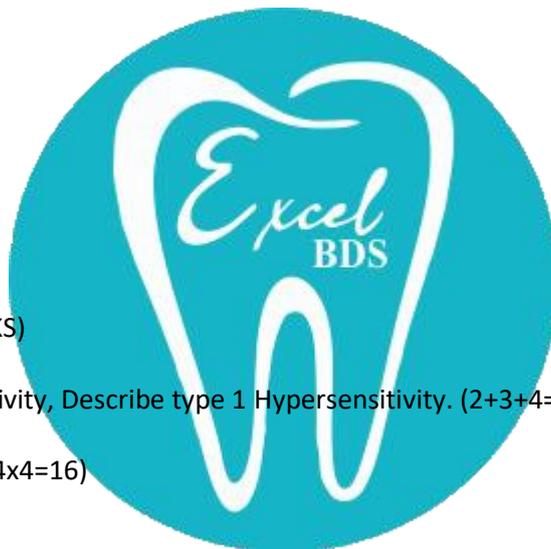
11. Define and classify Hypersensitivity, Describe type 1 Hypersensitivity. (2+3+4=9)

WRITE SHORT NOTES ON: (4×4=16)

12. Nonsporing anaerobes
13. Streptococcus mutans
14. Autoclave
15. Measles virus

WRITE BRIEFLY ON: (5×2=10)

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



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 2nd Year Examination - JULY- 2019

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

1. Define inflammation. Discuss the role of chemical mediators in the process of inflammation. (2+4+3=9)

WRITE SHORT NOTES ON: (4×4=16)

2. Enumerate difference between necrosis and apoptosis

3. Osteosarcoma

4. Thrombosis

5. Healing of wound by secondary intention

WRITE BRIEFLY ON: (5×2=10)

6. Morphology of Granuloma

7. Peripheral smear findings in iron deficiency anaemia

8. Pleomorphic adenoma

9. Mention two differences between kwashiorkor and Marasmus

10. Oncogenic viruses

PART-B-Microbiology (35 MARKS)

LONG (9×1=9)

11. Classify immunity. Describe in detail about active Immunity? (4+5=9)

WRITE SHORT NOTES ON: (4×4=16)

12. Role of Bacteria in Dental caries

13. Diseases caused by Human Papilloma Virus and its prevention

14. Enzyme linked immunosorbent assay (ELISA)

15. Oral Candidiasis

WRITE BRIEFLY ON: (5×2=10)

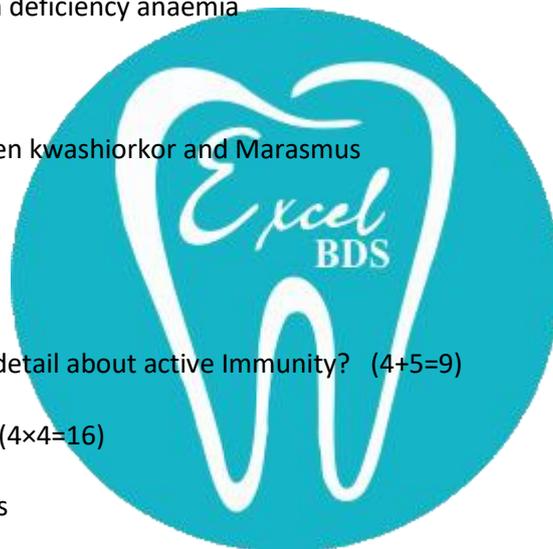
16. Name four anaerobic bacteria

17. Mention two differences between exotoxin and endotoxin

18. Transport media

19. Bacteria causing meningitis

20. Mention lesions caused by Herpes simplex virus



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

BDS 2nd Year Examination - AUGUST- 2018

PATHOLOGY & MICROBIOLOGY

PART-A-PATHOLOGY (35 MARKS)

LONG (9×1=9)

1. Define fracture. Describe process of healing of fracture and list out the factors which interfere with healing process of fracture (2+4+3=9)

WRITE SHORT NOTES ON: (4×4=16)

2. Scurvy

3. Primary complex (Ghon's focus)

4. AIDS

5. Peripheral blood picture in Vitamins B12 deficiency

WRITE BRIEFLY ON: (5×2=10)

6. Differences between transudate and exudate.

7. Heart failure cells

8. Precancerous lesions

9. ESR

10. Endogenous pigments

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

11. Define and classify Sterilization. Describe in detail Moist heat methods of sterilization (2+4+3=9)

WRITE SHORT NOTES ON: (4×4=16)

12. Bacterial growth Curve

13. Contributions of Louis Pasteur

14. Anaphylaxis

15. Laboratory diagnosis of diphtheria

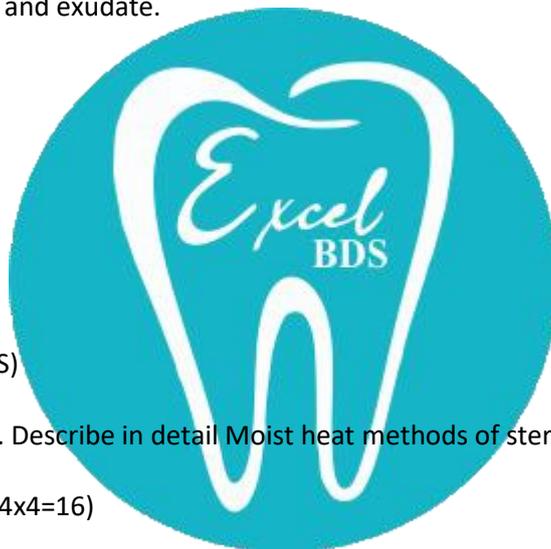
WRITE BRIEFLY ON: (5×2=10)

16. Oral thrush

17. Name four sexually transmitted viral diseases

18. Draw a neat and labeled diagram of HIV 19. Define precipitation test. Give two examples

20. Name four live vaccines



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2018
PART-A-PATHOLOGY (35 MARKS)

LONG (9×1=9)

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: (4×4=16)

2. Idiopathic thrombocytopenic purpura

3. Risk factors of Atherosclerosis

4. Precancerous lesions

5. Causes of edema

WRITE BRIEFLY ON: (5×2=10)

6. Fibrous dysplasia

7. Types of infarcts

8. Ghon focus

9. Dystrophic calcification

10. Liquefactive necrosis

PART--MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

11. Define sterilization. Classify sterilization methods and write about chemical methods of sterilization (4+5=9)

WRITE SHORT NOTES ON: (4×4=16)

12. Coombs Test

13. Entamoeba histolytica

14. Cultivation of Viruses

15. Life cycle of plasmodium vivax in Man

WRITE BRIEFLY ON: (5×2=10)

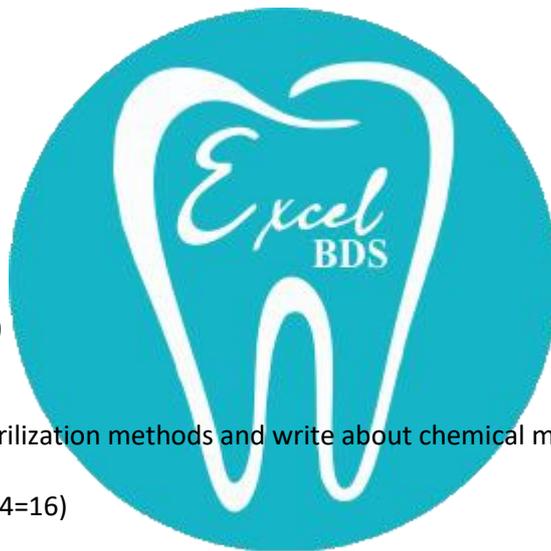
16. Bacterial Growth curve

17. Oral Thrush

18. Oral lesions in Syphilis

19. Laboratory diagnosis of Salmonella Typhi

20. Draw structure of Immunoglobulin G (IgG)



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2017

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

1. Classify anemia. Explain the blood and bone marrow picture in iron deficiency anaemia

WRITE SHORT NOTES ON: (4×4=16)

2. Phagocytosis

3. Beri beri

4. Syphilis

5. Chronic venous congestion of liver

WRITE BRIEFLY ON: (5×2=10)

6. Caisson's disease

7. Air embolism

8. Ewing's sarcoma

9. Malignant melanoma

10. Ketone bodies

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

12. Types III Hypersensitivity Reaction

13. Pathogenesis of Candida albicans

14. Viridans Streptococci

15. Laboratory diagnosis of Hepatitis B Virus infection

WRITE BRIEFLY ON: (5×2=10)

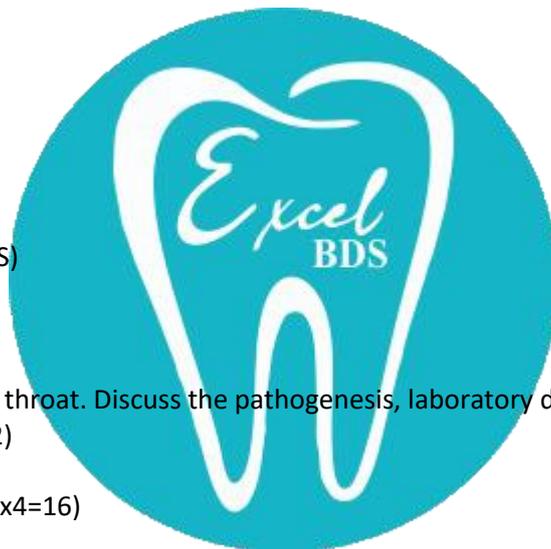
16. Pasteurization

17. R-Plasmids

18. Mention four bacteria causing Meningitis

19. Auto Clave

20. Viral Inclusion Bodies



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE/JULY- 2017

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Septic shock

3. Hodgkin's lymphoma

4. Basal cell carcinoma

5. Fatty liver

WRITE BRIEFLY ON: (5×2=10)

6. Rothera's test

7. Erythrocyte Sedimentation Rate (ESR)

8. Tumor markers

9. Apoptosis

10. Atrophy

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

12. Actinomycosis

13. Anaphylactic type of hypersensitivity

14. Anaerobic culture methods

15. Passive immunity

WRITE BRIEFLY ON: (5×2=10)

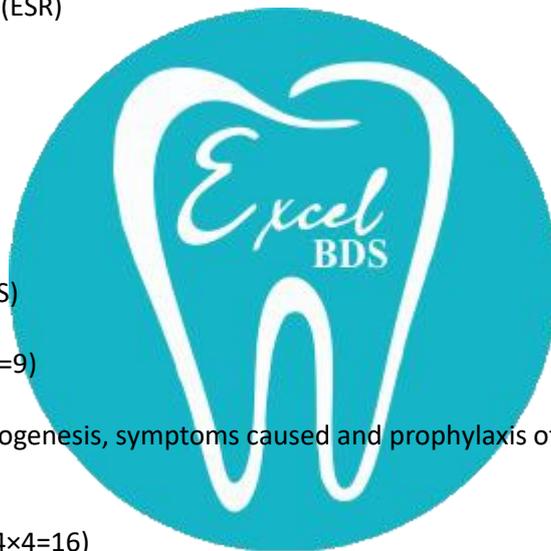
16. Human immunodeficiency virus

17. Widal test

18. Anti nuclear antibodies (ANA)

19. Mention the opportunistic fungal infections

20. Mention aldehydes group of disinfectants



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE/JULY- 2016

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Spleen in Amyloidosis

3. Gumma

4. Laboratory investigations of Iron deficiency anemia

5. Gross and microscopic picture of osteoclastoma

WRITE BRIEFLY ON: (5×2=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)

LONG (9×1=9)

1. Discuss the laboratory diagnosis and prophylaxis of Diphtheria.

WRITE SHORT NOTES ON: (4×4=16)

12. Enzyme Linked Immuno-Sorbent Assay (ELISA)

13. Prophylaxis Poliomyelitis V

14. Toxins and Enzymes of Streptococcus pyogenes

15. Oral Candidiasis

WRITE BRIEFLY ON: (5×2=10)

16. Herpes Simplex Virus infections

17. Define Definitive Host with examples

18. Periapical Abscess

19. Secretory IgA

20. BCG Vaccine



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2016

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Gross and histological appearance of pleomorphic adenoma

3. Gangrene

4. Pathological calcification

5. Scurvy

WRITE BRIEFLY ON: (5×2=10)

6. Myeloblast

7. Packed cell volume

8. Fallot's tetralogy

9. Leukoplakia

10. Metaplasia

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

11. Classify immunity. Describe in detail about active immunity. (4+5=9)

WRITE SHORT NOTES ON: (4×4=16)

12. Nosocomial infections

13. Diseases caused by Human Papilloma Virus and its prevention

14. Immunoprophylaxis of Rabies

15. Oral microbial flora

WRITE BRIEFLY ON: (5×2=10)

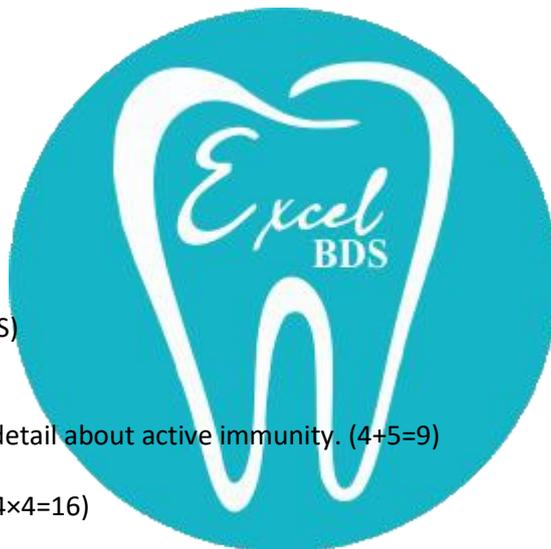
16. Systemic mycosis

17. Type III hypersensitivity

18. Bacteria causing Meningitis

19. Oral lesions in Syphilis

20. P.Vivax



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE/JULY- 2015

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Primary tuberculosis

3. Infarction

4. Healing of fracture

5. Mechanism of edema

WRITE BRIEFLY ON: (5×2=10)

6. Beta thalassemia major

7. Glycosuria

8. Neurogenic shock

9. Chemotaxis

10. Microscopy of osteoclastoma.

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

12. Entamoeba histolytica

13. Louis Pasteur

14. Herpes virus

15. Candidiasis

WRITE BRIEFLY ON: (5×2=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



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2015

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Septic shock

3. Classification of amyloidosis

4. Hemophilia

5. Metastasis

WRITE BRIEFLY ON: (5×2=10)

6. Osteoclastoma

7. Air embolism

8. Gumma

9. Peripheral smear appearance of iron deficiency anaemia

10. Rhinosporidiosis

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

12. Actinomycosis

13. Auto Clave

14. Bacterial cell wall

15. Laboratory diagnosis of diphtheria

WRITE BRIEFLY ON: (5×2=10)

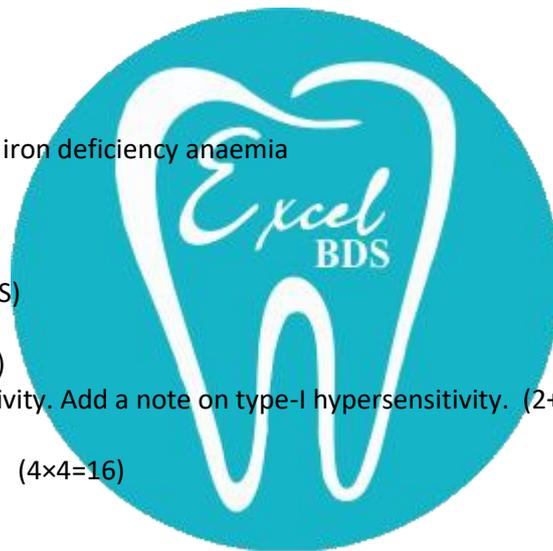
16. Name 4 (four) chemical disinfectants

17. Four infections caused by candida

18. Name four anaerobic bacteria

19. Coagulase test

20. Name four tape worms



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE- 2014

PART-A- PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Apoptosis

3. The cellular response in acute inflammation

4. Pathogenesis of Type I Diabetes Mellitus

5. Osteoporosis

WRITE BRIEFLY ON: (5×2=10)

6. Mention four microscopic differences between benign and malignant tumours

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)

LONG (9×1=9)

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: (4×4=16)

12. Anaphylaxis

13. Acquired immunity

14. Cultivation of viruses

15. Hot air oven

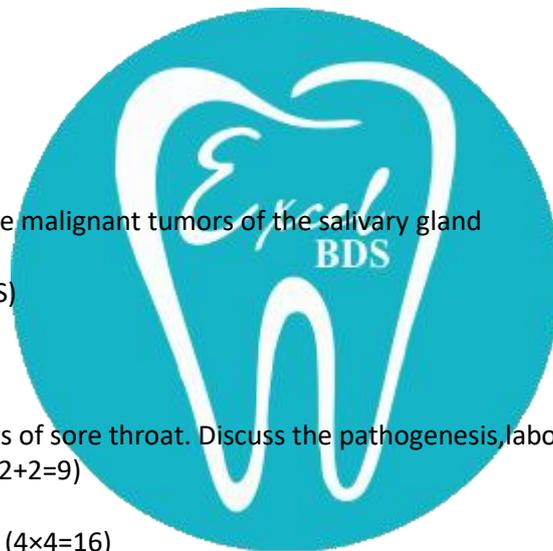
WRITE BRIEFLY ON: (5×2=10)

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



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2014

PART-A-PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Metastatic calcification.

3. Classification of anaemia.

4. Chemical carcinogenesis.

5. Aetiology and morphology of Leukoplakia.

WRITE BRIEFLY ON: (5×2=10)

6. Nutmeg liver.

7. Mycetoma.

8. Rickets.

9. Coagulative necrosis.

10. Blood picture of chronic myeloid leukemia.

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

11. Define sterilization. Classify sterilization methods. Describe Autoclave.

WRITE SHORT NOTES ON: (4×4=16)

12. Role of bacteria in dental caries.

13. Life cycle of *E. Histolytica*.

14. IgM antibody.

15. Actinomycetes.

WRITE BRIEFLY ON: (5×2=10)

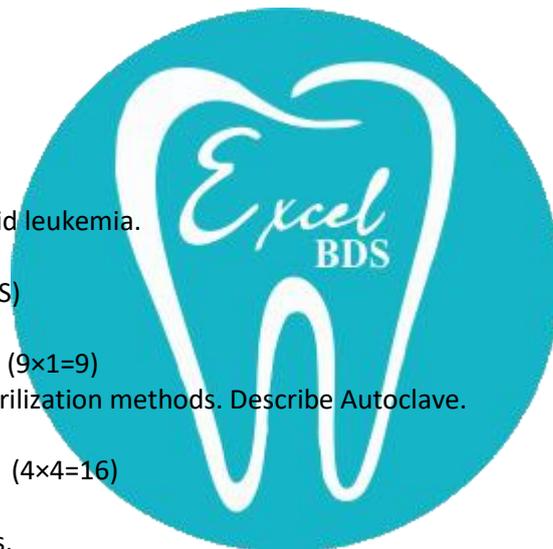
16. Mention lesions caused by Herpes simplex virus.

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.



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE- 2013

PART-A -PATHOLOGY (35 MARKS)

LONG (9×1=9)

1. Define shock. What are the types of shock? Discuss the ,mecnanism of septic shock.

WRITE SHORT NOTES ON: (4×4=16)

2. Leukemoid reaction.

3. Peripheral blood and bone marrow picture in megaloblastic anaemia.

4. Ewing's sarcoma.

5. Pathologic calcification.

WRITE BRIEFLY ON: (5×2=10)

6. Cancrum Oris.

7. Fate of a thrombus.

8, Mention stains used for the demonstration of amyloid.

9. Mention cel drived chemical mediators of acute inflammation.

10. Dysplasia.

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

12. Autoclave.

13. Acute Ulcerative Gingivitis.

14. Laboratory diagnosis.

15. Normal flora of human mouth.

WRITE BRIEFLY ON: (5×2=10)

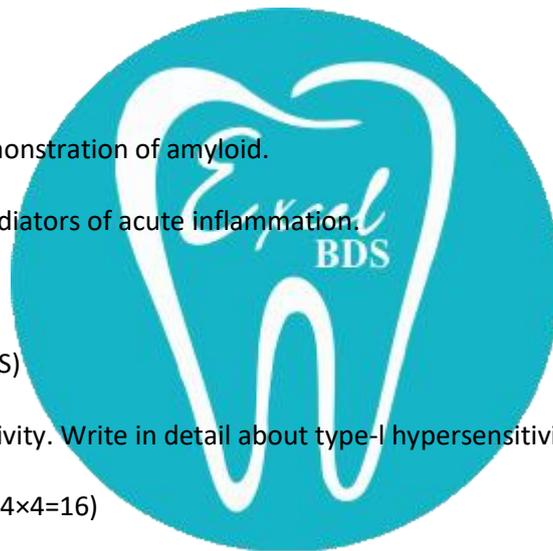
16. Mode of transmission of HIV.

17. Inclusion bodies

18. Define definitive host with example.

19. Mention four antiviral agents.

20. Two methods of demonstration of motility of bacteria.



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JUNE- 2012

PART-A -PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

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: (5×2=10)

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.

WRITE SHORT NOTES ON: (4×4=16)

12. Coagulase Test.

13. Classification of Streptococci.

14. IgM immunoglobulin.

15. Hypersensitivity.

WRITE BRIEFLY ON: (5×2=10)

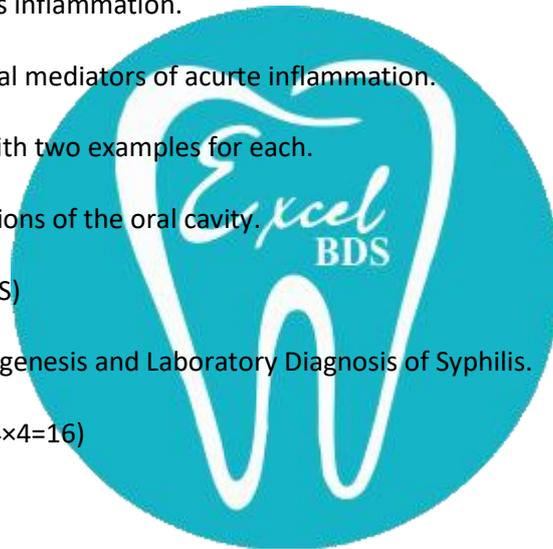
16. Mention four Sexually Transmitted Infections.

17. Mention Four Selective Media.

18. Write a neat Labeled Diagram of HIV.

19. Enumerate Antigen Antibody Reactions.

20. Demonstration of Capsule.



Kaloji Narayana Rao University of Health Sciences Warangal, Telangana

Second BDS degree Examination - JANUARY- 2012

PART-A-PATHOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=16)

2. Basal cell carcinoma.

3. Megaloblastic anemia.

4. Pathogenesis of oedema.

5. Granuloma.

WRITE BRIEFLY ON: (5×2=10)

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

8. Pyogenic osteomyelitis.

9. Oral lesions of Syphilis.

10. Vitamin A deficiency.

PART-B-MICROBIOLOGY (35 MARKS)

LONG (9×1=9)

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

WRITE SHORT NOTES ON: (4×4=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: (5×2=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.

