

I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE

47, Knowledge Park-III, Greater Noida

BDS 2nd year (2010 Reg. Batch)

Final Internal Assessment Examination

Subject: Microbiology/Pathology

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- Attempt all questions in the serial order
- Use separate sheets for Part A & Part B
- Draw neat and well labelled diagram wherever required

ITS Dental College Hospital & Research Centre

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24.12.2012

Time: 3 hrs

M.M. – [70]

PART-A

1. Describe the clinical stages of HIV Infection, and write about the associated opportunistic infections. (8)

2. Write the causative agents of pyogenic meningitis, describe its CSF findings and lab diagnosis. (8)

3. Write short answers on:

- a. Actinomycosis
- b. ELISA

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(4x2=8)

4. Write short notes on:

- a. Draw the life cycle of Pin Worm infection and write about NIH swab.
- b. Histoplasmosis
- c. Autoclave

(3x3=9)

5. Draw well labelled diagram on ANY ONE of the following. (2)

- a. IgG

OR

1. Hepatitis B virus

PART-B

Q. 1 Define Anemia and write its classification. Describe briefly lab diagnosis of Megaloblastic Anemia. (8)

Q. 2 Describe risk factors & Lab diagnosis of Myocardial Infarction. (7)

Q. 3 Write short notes on

(5X2=10)

- a. Acute complication of Diabetes Mellitus.
- b. Investigation in case of Tuberculosis OR Pleomorphic Adenoma

Q. 4 Write differences between –

(5X2=10)

- a. Immediate & delayed type of Hypersensitivity Reaction
- b. Leukemia & Leukemoid reaction

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47, Knowledge Park-III, Greater Noida

BDS 2nd Year (2010 Odd Batch)

Second Internal Assessment Examination

Subject: Micro/Patho

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47, Knowledge Park-III, Greater Noida

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

Time: 3 hrs

PART - A

MM: 35

1. Write in detail about the cells of the immune system and their functions. (8)
2. Describe the different methods of gene transfer in bacteria. (8)
3. Write short answers on: (4x2=8)
 - a. Lesions produced by Candida albicans
 - ☒ b. Lab diagnosis of HIV
4. Write short notes on: (3x3=9)
 - a. Mycetoma
 - ☒ b. Clinical stages of Hepatitis B Infection
 - ☒ c. Epstein Barr virus
5. Draw well labelled diagram of the following. (2)

Cell wall of **Gram Negative** bacteria

PART - B

MM: 35

- Q.1 Define Amyloidosis and write various types & staining characteristics of Amyloid. (7)
- Q. 2 Define Inflammation & describe cellular events in Acute inflammation. (8)
- Q. 3 Write short notes on - (4X3=12)
 - a. Renal Oedema
 - b. Fatty change liver
 - c. Vitamin C Deficiency
- Q. 4 Write briefly - (4X2=8)
 - ☒ a. Risk factors for atherosclerosis
 - b. FAB classification of Acute Myeloid Leukaemia

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BDS 2nd Year (2011 Reg. Batch)

Final Internal Assessment Examination

Subject: Microbiology/Pathology

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- Use separate sheet for Part A & Part B
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Time: 3 hrs

M.M. – [70]

PART - A

Microbiology

1. Classify fungi. Discuss the pathogenesis, clinical features and lab diagnosis of mycetoma and enumerate the etiological agents. (10)
2. Enumerate five Gram positive bacteria. Describe morphology, staining characteristics, culture medias and diseases caused by Staphylococcus aureus. (10)
3. Write short answers on the following: (4x3=12)
 - a. Pathogenesis and clinical stages of retroviral infection.
 - b. Nosocomial infections
 - c. Agglutination Reactions.
4. Write the differences between amoebic and bacillary dysentery. (3)

PART - B

1. Define Anaemia, write its classification and laboratory diagnosis of Haemolytic anaemia. (8)
2. Define inflammation and describe vascular events in acute inflammation. (7)
3. Write short notes on : 4X3=(12)
 - a) Haemophilia
 - b) Fallot's tetralogy
 - c) Diagnosis of Diabetes Mellitus
4. Write differences between: 4X2=(8)
 - a) Immediate and delayed type hypersensitivity reactions
 - b) Leukemoid reaction and Leukemia

BDS 2nd Year (2011 Reg. Batch)

Final Internal Assessment Examination

Subject: Microbiology/Pathology

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

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Time: 3 hrs

M.M. – [70]

PART - A

Microbiology

1. Classify fungi. Discuss the pathogenesis, clinical features and lab diagnosis of mycetoma and enumerate the etiological agents. (10)
2. Enumerate five Gram positive bacteria. Describe morphology, staining characteristics, culture medias and diseases caused by *Staphylococcus aureus*. (10)
3. Write short answers on the following: (4x3=12)
 - a. Pathogenesis and clinical stages of retroviral infection.
 - b. Nosocomial infections
 - c. Agglutination Reactions.
4. Write the differences between amoebic and bacillary dysentery. (3)

PART – B

1. Define Anaemia, write its classification and laboratory diagnosis of Haemolytic anaemia. (8)
2. Define inflammation and describe vascular events in acute inflammation. (7)
3. Write short notes on : 4X3=(12)
 - a) Haemophilia
 - b) Fallot's tetralogy
 - c) Diagnosis of Diabetes Mellitus
4. Write differences between: 4X2=(8)
 - a) Immediate and delayed type hypersensitivity reactions
 - b) Leukemoid reaction and Leukemia

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BDS 2nd Year (2011 Reg. Batch)

Second Internal Assessment Examination

Subject: Micro/Patho

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- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

Time: 3 hrs
M.M. — [35]

PART - A

- Q. 1 Classify Mycobacteria. Describe clinical features, pathogenesis and lab diagnosis of Pulmonary tuberculosis [8]
- Q. 2 Enumerate the various species of Plasmodium. Describe the life cycle and lab diagnosis of malaria [8]
- Q. 3 Write short answers on: 4*2=8
- a) Stages of Syphilis, with emphasis on oral lesions
- b) Actinomycosis
- Q. 4 Write short notes on: 3*3=9
- a. MOTT
- b. Hydatid cyst
- c. Pathogenesis of Entamoeba histolytica
1. Draw well labelled diagram of the following. 2*1 =2
- a. Ova of Taenia
- b. Trophozoite of Giardia lamblia

PART - B

MM: [35]

- Q. 1 Define shock. Describe stages and pathogenesis of various types of shock. [7]
- Q. 2 Describe premalignant lesions of oral cavity. [7]
- Q. 3 Write short notes on : 5X3=[15]
- a) Biological carcinogenesis ✓
- b) CVC lung ✓
- c) Osteosarcoma ✓
- Q. 4 Write differences between : 3X2=[6]
- a) Benign and malignant tumors ✓
- b) Primary and secondary amyloidosis ✓

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BDS 2nd Year (2011 Batch)

First Internal Assessment Examination

Subject: Micro/Patho

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

Time: 3 hrs

PART - A

MM: 35

1. Write in detail about the cells of the immune system and their functions. (8)
2. Describe the different methods of gene transfer in bacteria. (8)
3. Write short answers on: (4x2=8)
 - a. Monoclonal Antibody
 - b. Mechanisms of Autoimmunity
4. Write short notes on: (3x3=9)
 - a. Difference between Exotoxin and Endotoxin
 - b. ELISA
 - c. Gaseous Sterilization
5. Draw well labelled diagram of the following. (2)
Cell wall of **Gram Negative** bacteria

PART - B

MM: 35

- Q.1 Define Amyloidosis and write various types & staining characteristics of Amyloid. (7)
- Q. 2 Define Inflammation & describe cellular events in Acute inflammation. (8)
- Q. 3 Write short notes on - 4X3=12
 - a. Renal Oedema
 - b. Fatty change liver
 - c. Vitamin C Deficiency
- Q. 4 Write differences between - 4X2=8
 - a. Necrosis & Apoptosis
 - b. Healing by Primary and Secondary intention

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BDS 2nd year (Odd Batch)

Final Internal Assessment Examination

Subject: Microbiology / Pathology

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

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23.06.2012
Time: 90 Min
M.M. – [70]

PART - A

- Q. 1 Enumerate methods of sterilization and write sterilization by heat in detail. [8]
- Q. 2 Classify Streptococci. Describe the enzymes and toxins produced by Streptococcus pyogenes. [6]
- Q. 3 Write short notes on: 4X2=[8]
- a) Humoral Immune Response
- b) Clinical stages of HIV and enumerate the associated opportunistic infections
- Q. 4 Write short notes on: 3X3=[9]
- a) Rhinosporidiosis
- b) Characteristics of helminthes
- c) CSF findings of Pyogenic Meningitis
- Q. 5 Draw neat labeled diagram of the following: 2X2=[4]
- a) IgG
- b) Ova of Ascaris and Ancylostoma

PART - B

- Q. 1 Define Neoplasia. Describe various routes of Metastasis. [8]
- Q. 2 Write short notes on: 3X5=[15]
- a) Factors affecting wound healing
- b) Pyogenic osteomyelitis
- c) Septic shock
- Q. 3 Write differences between 2X4=[8]
- a) Immediate and delayed Hypersensitivity reaction
- b) Leukemia and leukernoid reaction
- Q. 4 Draw well labelled diagrams of 2X2=[4]
- a) Iron deficiency anaemia
- b) Tuberculous lymphadenitis

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BDS 2nd year (Reg. Batch)

Second Internal Assessment Examination

Subject: Microbiology/Pathology

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

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14.08.2012

Time: 3 hrs

M.M. - [70]

PART - A

Describe clinical stages of Syphilis with special reference to oral lesion in each stage. (8)

Describe the various characteristics of helminthes in tabular form. Explain the life cycle of *Ascaris lumbricoides*. (8)

3. Write short answers on : (4x2=8)

- a. Lab diagnosis of malaria including the newer methods of diagnosis.
- b. Actinomycosis

4. Write short notes on: (3x3=9)

- a. Types of leprosy.
- b. Kala-azar
- c. Clinical features of amoebiasis.

5. Draw neat labeled diagram of ANY ONE of the following: (2)

- a. Hydatid cyst

OR

- b. Microfilaria

PART - B

1) Define amyloidosis. Describe its nature & staining characteristics. (8)

2) Describe briefly

- A) Pyogenic osteomyelitis
- B) Renal oedema
- C) Risk factors for atherosclerosis

3x5=(15)

3) Write short notes on any three

- A) Lesions in Vit C deficiency
- B) Viral oncogenesis
- C) Squamous cell carcinoma
- D) Vascular events in acute inflammation

3x4=(12)

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B.D.S 2nd year – Odd Batch
Second Internal Assessment
Subject: Micro / Patho

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1. Attempt all questions.
2. Draw neat, well labelled diagrams wherever necessary.
3. Use separate sheet for Part-A & part-B.

26.03.2012
Time: 3.0 hrs.

PART-A

M.M: (70)
[8]

Q. 1 Describe methods of gene transfer in bacteria.

Q. 2 Enumerate intestinal nematodes. Describe life cycle and lab diagnosis of anyone.

[8]

Q. 3 Write short notes on:

4X3=[12]

- a) Methods of antibiotic resistance & its origin
- b) Difference between amoebic and bacillary dysentery
- c) Bacterial growth curve

Q. 4 Draw neat labelled diagram of -

2.5X2=[5]

a) HIV virus,

b) Trophozoite and cyst of giardia lamblia

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Q. 5 Write short notes on:

3X4=[12]

- a) PCR
- b) Complications of malaria
- c) Pathogenesis of filariasis
- d) Gaseous sterilization

PART - B

M.M: 35

Q. 1 Define Anaemia. Write the lab diagnosis of thalassemias

[8]

Q. 2 Enumerate various events in acute inflammation and describe phagocytosis in detail.

[7]

Q. 3 Write short notes on any three-

4X3=[12]

- a) Leukemoid reaction
- b) Arachidonic acid metabolites
- c) Giant cells
- d) FAB classification of AML

Q. 4 Write differences between

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4X2=[8]

a) Necrosis and Apoptosis

b) Dystrophic and Metastatic calcification