

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

47, Knowledge Park-III, Greater Noida

BDS 2nd Year (2012 Reg. Batch)

Second Internal Assessment Examination

Subject: Pathology/Microbiology

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

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22.05.2014
Time: 3 hrs
M.M. – [35]

PART - A

- Q. 1 Define Anemia. Write its classification. Describe lab finding of Iron deficiency Anemia. [8]
- Q. 2 Write short notes on: 5X3=[15]
- Fatty change Liver
 - CVC lung
 - Secondary Tuberculosis
- Q. 3 Write differences between - 4X3=[12]
- Primary & Secondary intention healing
 - Red & White infarct
 - Benign & Malignant Tumor

PART - B

MM: [35]

- Q. 1 Describe morphology and cultural characteristics of Mycobacterium tuberculosis. Explain its pathogenesis and lab diagnosis. [8]
- Q. 2 Enumerate opportunistic Mycotic infections. Describe pathogenesis and lab diagnosis of Aspergillus. [8]
- Q. 3 Write short notes on following : 4X2=[8]
- Classify non-spore forming anaerobes. Describe the diseases produced by them.
 - Describe life cycle and pathogenesis of Plasmodium.
- Q. 4 Write short notes on following : 3X3=[9]
- Cryptococcosis
 - Hydatid cyst
 - General characteristics of three types of helminths
- Q. 5 Draw well labelled diagram of : 1X2=[2]
- Giardia cyst
 - Fertilised ovum of ascaris

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M.M. – [70]

PART - A

Pathology

1. Describe nature, pathogenesis and staining characteristics of amyloid. (7)
2. Define inflammation. Describe cellular events in acute inflammation. (8)
3. Write short on: (4x3=12)
 - a. Giant cells
 - b. Radiation injury
 - c. Free radical injury
4. Write differences between : (4X2=8)
 - a) Necrosis and Apoptosis
 - b) Kwashiorkor and Marasmus

PART - B

Microbiology

1. Describe the Classical pathway of Complement and its biological effects. (10)
2. Describe the various cells and organs of the immune system along with their functions. (10)
3. Write short answers on the following: (4x3=12)
 - a. Antibiotic susceptibility tests.
 - b. Bacterial flagella
 - c. Classify disinfectants. Add a note on surface active agents.
4. Write the differences between exotoxin and endotoxin. (3)

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M.M. – [35]

PART - A

- Q. 1 Define Necrosis. Describe various types of Necrosis with examples. [8]
- Q. 2 Define Anemia. Write lab diagnosis of Iron deficiency Anemia. [7]
- Q. 3 Write short notes on: 2X5=[10]
- a) Metastasis
 - b) Phagocytosis
- Q. 4 Write differences between - 2X5=[10]
- a) Kwashiorkor & Marasmus
 - b) Benign & Malignant Tumors

PART - B

MM: [35]

- Q. 1 Describe in detail the various methods of Sterilization by heat. [8]
- Q. 2 Explain in detail life cycle of Malarial parasite and its lab diagnosis. [8]
- Q. 3 Write short notes on: 4X4=[16]
- a) Mycetoma
 - b) Bacterial cell wall
 - c) Life cycle of Taenia solium and add a note on cysticercus cellulosae
 - d) Histoplasmosis
- Q. 4 Draw labeled diagram of : [3]
- a) Microfilaria

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