

B.D.S.[2nd Prof.]

BF/2009/05

Oral & Dental Anatomy [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Write in detail about the principal fibers and cells in the periodontal ligament. Illustrate your answer with diagrams. [15]
2. Enumerate the life cycle of Ameloblasts. Write in detail about Amelogenesis. [15]
3. **Write short notes on:**
 - a. Neural crest cells. [5]
 - b. Embrasures and contact points. [5]
 - c. Histology of mixed Salivary gland. [5]

PART - II

4. Write in detail about the morphology of maxillary 1st permanent molar. Draw suitable diagrams. [15]
5. Enumerate the various classification for Oral Mucosa. Describe with diagrams the clinical and histologic appearance of Gingiva. [15]
6. **Write short notes on:**
 - a. Tooth numbering system. [5]
 - b. Theories of Eruption. [5]
 - c. Maxillary sinus. [5]

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General Microbiology [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions. Use labeled diagrams wherever needed.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Classify Mycobacteria. Discuss pathogenesis and lab. Diagnosis of Pulmonary tuberculosis. [15]
2. **Write short notes on:**
 - a. Autoclave. [5]
 - b. Bacterial flagella. [5]
 - c. Robert koch. [5]
3. **Discuss briefly:**
 - a. Anaerobic culture methods. [5]
 - b. IgM. [5]
 - c. Staphylococcal food poisoning. [5]

PART - II

4. Describe the morphology, pathogenesis and lab. Diagnosis of HIV. [15]
5. **Write short notes on:**
 - a. Hepatitis C Virus. [5]
 - b. Cryptococcosis. [5]
 - c. Herpes Zoster. [5]
6. **Discuss:**
 - a. Role of Streptococcus in dental caries. [5]
 - b. Safe disposal of hospital waste. [5]
 - c. Life cycle of Taenia solium. [5]

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General & Dental Pharmacology [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Classify Beta-adrenergic drugs. Discuss the mechanism of action, therapeutic uses and adverse effects of Propranolol. [3+2+5+5=15]
2. **Discuss drug treatment of:**
 - a. Anaphylactic Shock. [5]
 - b. Status epilepticus. [5]
 - c. Oral candidiasis. [5]
3. **Write short notes on:**
 - a. Bioavailability. [5]
 - b. Dentrifrices. [5]
 - c. Styptics. [5]

PART - II

4. Classify Diuretics. Discuss the mechanism of action, therapeutic uses and adverse effects of Furosemide. [3+2+5+5=15]
5. **Discuss therapeutic uses of:**
 - a. Aspirin. [5]
 - b. Corticosteroids. [5]
 - c. Lignocaine. [5]
6. **Write short notes on:**
 - a. Cimetidine. [5]
 - b. Insulin. [5]
 - c. Co-trimoxazole. [5]

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General Pathology [Old Scheme]

M.M. : 90

Time : 3 Hours

Note : Attempt all questions. Make diagrams if necessary.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. a. Define Inflammation? Explain Vascular and Cellular changes in inflammation. [8]
 b. Discuss etiopathogenesis of AIDS. [7]
2. **Write short notes on:**
 a. Apoptosis. [5]
 b. Type III hypersensitivity. [5]
 c. Multinucleated Giant cell. [5]
3. **Tabulate the differences between:**
 a. Benign and Malignant tumor. [5]
 b. Dry and Wet gangrene. [5]
 c. Tuberculoid and Lepromatous Leprosy. [5]

PART - II

4. a. Define Leukaemia. Classify it according to FAB classification. [8]
 b. Write PBF and bone marrow findings of Megaloblastic anaemia. [7]
5. **Draw labeled diagrams of:**
 a. CVC Lung. [5]
 b. Amyloidosis kidney. [5]
 c. Fatty Liver. [5]
6. **Discuss briefly:**
 a. Osteosarcoma. [5]
 b. Chronic Pyelonephritis. [5]
 c. Ghon's complex. [5]
