

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

BF/2009/05

General Pathology & Microbiology

[New Scheme w.e.f. 2007 admission]

M.M. : 70

Time : 3 Hours

Note Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

[General Pathology]

Note : Draw diagrams wherever necessary.

1. Discuss pathogenesis and fate of Thrombus. [8]
2. **Discuss briefly:**
 - a. Spread of Malignant tumors. [5]
 - b. Cellular response in acute inflammation. [5]
 - c. Gangrene. [5]
3. **Write short notes on:**
 - a. Pleomorphic adenoma (Salivary gland). [3]
 - b. Pathologic calcification. [3]
 - c. Hodgkin's disease. [3]
 - d. PBF findings in Iron deficiency anaemia. [3]

PART - II

[Microbiology]

1. Enumerate the causative agents of Sore throat and discuss its laboratory diagnosis. [11]
2. **Write short notes on the following:** [12]
 - a. Contribution of Robert Koch.
 - b. Sterilization by Autoclave.
 - c. Type IV hypersensitivity.
 - d. Gas gangrene.
3. **Write short notes on the following:** [12]
 - a. Dental caries.
 - b. Rabies vaccine.
 - c. Extra-intestinal amoebiasis.
 - d. Candidiasis.

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General & Dental Pharmacology

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Time : 3 Hours

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PART - I

1. Classify Opioid analgesics. Write adverse effects, uses and contra-indications of Morphine. [14]
2. **Explain why?**
 - a. Enalapril causes dry cough. [2]
 - b. Lignocaine is preferred over Procaine as local anaesthetic. [2]
 - c. Adrenaline is the drug of choice in Anaphylactic shock. [2]
3. **Write short notes on:**
 - a. Second generation Antihistamines. [5]
 - b. Enzyme induction. [5]
 - c. Bioavailability. [5]

PART - II

4. **Briefly describe:**
 - a. Microbial resistance. [5]
 - b. Astringents & their role in dentistry. [5]
 - c. Aphthous Stomatitis & its treatment. [5]
5. **Write short notes on:**
 - a. Metformin. [5]
 - b. Rifampicin. [5]
6. **Write adverse effects & contraindications of:**
 - a. Glucocorticoids. [5]
 - b. Beta blockers. [5]

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Dental Materials [New Scheme w.e.f. 2007 admission]

M.M. : 70

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.

PART - I

1. Give classification of Dental cements as per their use. Discuss in detail the composition, setting reaction, classification, manipulation & modifications of Glass Ionomer cement. [2+2+2+2+2+2=12]
2. **Briefly discuss:**
 - a. Factors affecting success of Amalgam restoration. [4]
 - b. Compaction of direct filling gold. [4]
3. **Write short notes on:**
 - a. Microleakage. [3]
 - b. Casting machines. [4]
 - c. Manipulation of Inlay wax. [4]
 - d. Disinfection of impression materials. [4]

PART - II

4. Give ADA classification of impression materials. Describe in detail the composition, properties, advantages/disadvantages and manipulation of addition Silicons. [2+2+2+2+2+2=12]
5. **Briefly discuss:**
 - a. Setting of Gypsum products. [4]
 - b. Porosity in denture base resin. [4]
6. **Write short notes on:**
 - a. Young's modulus **or** (Modulus of Elasticity). [3]
 - b. Tarnish and Corrosion. [4]
 - c. Feldspathic porcelains. [4]
 - d. Stainless steels. [4]
