

QP Code:

Reg.No.:.....

**Second BDS Degree Examinations
(Model Question Paper)**

Paper – I General Pathology & Microbiology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

SECTION A – PATHOLOGY

Essay: (14)

1. Define leukemia and classify acute leukemia. List the peripheral smear and bone marrow findings in chronic myeloid leukemia (2+6+3+3=14)

Short essays (2x8=16)

2. Define wound healing and explain the steps of wound healing. (2+6= 8)

3. Define anemia. Mention the causes, clinical features and laboratory diagnosis of iron deficiency anemia (2+2+2+2= 8)

Short notes (5x4=20)

4. Inflammation

5. Pathogenesis and fate of thrombus

6. Apoptosis and necrosis

7. Classification and complications of diabetes mellitus

8. Diseases caused by fungi.

SECTION B – MICROBIOLOGY

Essay: (14)

1. Explain the classification and pathogenicity of streptococci. Add a note on cariogenic streptococci. (5+5+4= 14)

Short essays (2x8=16)

2. Describe the structure of IgG molecule and add a note on its function (5+3 = 8)

3. Explain structure of Virus. Describe the methods used for cultivation of viruses (4+4= 8)

Short notes (5x4=20)

4. Gas gangrene

5. Lab diagnosis of AIDS

6. Antibiotic resistance.

7. Candidiasis

8. Classical pathway of complement activation

QP Code:

Reg.No.:.....

**Second BDS Degree Examinations
(Model Question Paper)**

Paper – II General and Dental Pharmacology & Therapeutics

Time: 3 hrs

Max marks:100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(2x14=28)

1. Explain the classification about anti diabetic drugs. Enumerate details about the mechanism of type II anti diabetics, also and add a note on contra indications of anti diabetic drugs (5+7+2)
2. Discuss about the pharmacokinetic parameter, including its definition and explain various factors affecting the pharmacokinetic parameters (5+2+7)

Short essays

(4x8=32)

3. Explain in briefly how to prevent fluoride toxicity and describe how to prevent dental caries. Mention one anti caries agents and explain its mechanism of action (3+3+2)
4. Classify NSAID's and explain its mechanisms of action (5+3)
5. Explain the classification of anthelminths. Mention the drugs used for nematodes including its mechanism of action and adverse effects (3+5)
6. Classify the anti anginal drugs. Explain the mechanism of action ADR and its contra indications (3+5)

Short notes

(10x4=40)

7. Why all ACE inhibitors are contra indicated in pregnancy
8. Mention the drug of choice for shock and explain its mechanism of action
9. Mention the adrenergic drug used for stress testing and explain the mechanism behind it
10. Mention the drug of choice for ADHD and explain the mechanism of its action
11. Mention the drug of choice for pregnancy induced hyper tension and the mechanism of its action
12. What is epidural anaesthesia also mentions its uses and add a note on spinal anaesthesia
13. Explain briefly anti fibrinolytics drugs
14. Explain briefly about narcolepsy and also mention one drug used for narcolepsy
15. Mention one adrenergic antagonist & explain its mechanism used for BHP and mention two alpha reductase inhibitors used for BHP
16. Explain briefly explain the uses of sulphonamides and tetracycline

QP Code:

Reg.No.:.....

**Second BDS Degree Examinations
(Model Question Paper)**

Paper – III Dental Materials

Time: 3 hrs

Max marks:100

- **Answer all questions**
- **Draw diagrams wherever necessary**

SECTION A – PROSTHODONTICS

Essay: (2x14=28)

1. Classify gypsum products and explain in detail about the setting mechanism of gypsum.
Add a note on accelerators and retarders. (3+7+4=14)

Short essays (2x8=16)

2. Define a ceramic. Mention the composition and classification of dental ceramics. (2+6=8)
3. Enumerate the desirable properties of inlay casting wax. Describe in detail the composition and manipulation of the same. (3+5=8)

Short notes (5x4=20)

4. Color parameters
5. Polymerization cycle of heat cure resin.
6. Casting alloys.
7. Composition of zinc oxide impression paste.
8. Hardness tests.

SECTION B – CONSERVATIVE DENTISTRY

Essay: (2x14=28)

1. Define and classify dental amalgam. Mention the composition and role of ingredients of dental amalgam. Describe in detail “high copper” dental amalgam and add a note on mercury toxicity. (1+2+3+1+5+2=14)

Short essays (2x8=16)

2. Classify dental cements. Explain briefly zinc phosphate cements (2+6=8)
3. Classify composite resins and explain briefly microfill composites (2+6=8)

Short notes (5x4=20)

4. Nitinol
5. Dual cure polyalkonate cements
6. Rake angle
7. Stepping and banking
8. Hybrid layer
