Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – August 2006

Time: 3 Hrs. [Max. Marks : 100]

General & Dental Pharmacology (RS & RS2)

QP Code: 1157

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe five factors that modify drug actions with examples
2. Classify penicillin with examples. Explain the therapeutic uses of penicillin G

SHORT ESSAY **6 X 5 = 30 Marks**

3. Uses and adverse effects of beta blockers
4. Lignocaine
5. Mechanism of action and adverse effects of dexamethasone
6. Mummifying agents
7. Preanaesthetic medication
8. Frusemide

COMPARE AND CONTRAST **4 X 5 = 20 Marks**

9. Physostigmine and neostigmine
10. Ether and halothane
11. Ampicillin and amoxicillin
12. Aspirin and paracetamol

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Enlist three drugs for leprosy
14. Mention three uses and three adverse effects of metronidazole
15. Explain the mechanism of action of omeprazole
16. Explain three types of drug antagonism with examples
17. Explain the mechanism of action of streptokinase and mention one use of it
18. Mention one indication for the use of adrenaline and lignocaine and explain the basis for the same
19. List two fluoroquinolones and mention four uses of them
20. Mention three contraindications for the use of morphine
21. Explain the term Pharmacogenetics with two examples
22. List three groups of drugs used in bronchial asthma with an example

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Time: 3 Hrs. [Max. Marks: 100]

HUMAN ORAL ANATOMY & PHYSIOLOGY INCLUDING EMBRYOLOGY & HISTOLOGY (RS & RS2)

QP Code: 1158

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe amelogenesis. Add a note on clinical considerations.
2. Describe the morphology of maxillary first premolar. Write its chronology.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Overjet and overbite
4. Incremental lines in enamel and dentin
5. Shedding of deciduous teeth
6. Theories of dentin sensitivity
7. Bell stage of tooth development
8. Alveolar bone proper
9. Histology of temporomandibular joint
10. Occlusal surface of mandibular second premolar
11. Seeding theory of mineralization
12. Non keratinocytes

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Pulp stones
14. Serous acinus
15. Taste buds
16. Cells of periodontal ligament
17. Gingival sulcus
18. Grooves and ridges
19. Protective function of saliva
20. Secondary cementum
21. Functions of maxillary antrum
22. Osteoclast cell

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Time: 3 Hrs. [Max. Marks : 100]

GENERAL PATHOLOGY & MICROBIOLOGY (RS & RS2)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. **Use separate answer books for section A and section B**.

QP Code: 1155 - Section A - GENERAL PATHOLOGY [50 Marks]

LONG ESSAY **1 X 10 = 10 Marks**

1. Define hypersensitivity reaction. Explain type IV hypersensitivity reaction.

SHORT ESSAY **5 X 5 = 25 Marks**

2. Healing of wound by secondary intension
3. Acute myeloblastic leukemia
4. Dry gangrene
5. Lab diagnosis of anaemia
6. Oncogenic viruses

SHORT ANSWERS **5 X 3 = 15 Marks**

7. Chemotaxis
8. Typhoid ulcer
9. Haemosiderosis
10. Differences between exudates and transudate
11. Von – Willibrand's disease

QP Code: 1156 - Section B – MICROBIOLOGY [50 Marks]

Use separate answer book

LONG ESSAY **1 X 10 = 10 Marks**

1. What is the aetiology of gas gangrene? Add a note on pathogenesis, laboratory diagnosis of gas gangrene

SHORT ESSAY **5 X 5 = 25 Marks**

2. Immunoglobulin M
3. Bacterial capsule
4. Candidiasis
5. Plasmodium vivax life cycle in mosquito
6. Streptococcus Pyogenes

SHORT ANSWERS **5 X 3 = 15 Marks**

7. Human immuno deficiency virus: Structure with the diagram
8. Herpes simplex viral infections
9. Exotoxins of bacteria
10. Major histocompatibility complex (MHC)
11. Bacteroides

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