

Rajiv Gandhi University of Health Sciences

II B.D.S Degree Examination – February 2007

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. Enumerate the hypo calcified areas in enamel and describe 'Enamel Lamellae' and 'Enamel Tufts'
2. Describe the morphology of permanent maxillary second molar

SHORT ESSAY

10 X 5 = 50 Marks

3. Pulp stones
4. Physical and chemical properties of dentin
5. Dento – gingival junction
6. Age changes in oral mucosa
7. Shedding pattern of deciduous teeth
8. Lingual fossae of anterior teeth
9. Functions of periodontal ligament
10. Cementoblasts
11. Hematoxylin and Eosin stain
12. Deglutition

SHORT ANSWERS

10 X 3 = 30 Marks

13. Dead tracts
14. Stratum intermedium
15. Universal notation system for teeth
16. Sharpe's fibers
17. Bonwill triangle theory
18. Define arch traits, class traits, type traits
19. Nerve supply of tongue
20. Factors influencing the flow of saliva
21. Cribriform plate
22. Embrasures

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[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 inflammation. Describe chemical mediators of acute inflammation

SHORT ESSAY

5 X 5 = 25 Marks

2. Primary complex
3. Squamous cell carcinoma
4. Peripheral and bone marrow picture of megaloblastic anaemia
5. Atrophy
6. Acquired immune deficiency syndrome

SHORT ANSWERS

5 X 3 = 15 Marks

7. Leukoplakia
8. Fate of thrombus
9. Rhinosporidiosis
10. Eosinophilia
11. Leukaemoid reaction

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

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Classify streptococci. Describe the laboratory diagnosis of streptococcal infections

SHORT ESSAY

5 X 5 = 25 Marks

2. Bacterial flagella
3. Actinomycosis
4. Oral thrush
5. Plasmodium vivax life cycle in human
6. Staphylococcal infections

SHORT ANSWERS

5 X 3 = 15 Marks

7. Cultivation of viruses
8. Anaphylaxis
9. Vincent's angina
10. Mumps viral infection
11. Cold sterilization

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[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. Enumerate four chemical classes of non-steroidal anti-inflammatory drugs with suitable examples. Explain the mechanism of action, uses and adverse effects of aspirin.
2. Classify antimicrobial agents based on the mechanism of action with examples. Explain four advantages of combined use of antimicrobial with examples.

SHORT ESSAY

6 X 5 = 30 Marks

3. Preparation of insulin
4. Chelating agents
5. Uses and adverse effects of atropine
6. Obtundents
7. Heparin
8. Osmotic purgatives

COMPARE AND CONTRAST

4 X 5 = 20 Marks

9. Tetracycline and Doxycycline
10. Cimetidine and ranitidine
11. Physostigmine and neostigmine
12. Succinylcholine and d-tubocurarine

SHORT ANSWERS

10 X 3 = 30 Marks

13. Enlist three diuretic drugs and one different use for each
14. Mention six drugs used in tuberculosis
15. Name two antiemetic drugs and mention their adverse effects
16. Enumerate two non sedative antihistamines and mention four uses of them
17. Explain the mechanism of action of sodium cromoglycate
18. Mention one indication for the use of adrenaline and lignocaine as a local anaesthetic
19. Explain why glucocorticoid therapy should not be stopped abruptly
20. Explain superinfection with example
21. Explain the mechanism of action of Digoxin
22. List three groups of drugs used in angina pectoris with one example for each group

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