



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 Inflammation. Describe the processes of phagocytosis and chemotaxis

SHORT ESSAY

5 X 5 = 25 Marks

2. Differences between dry gangrene and wet gangrene
3. Oral manifestations of syphilis
4. Dystrophic calcification
5. Leukoplakia
6. Peripheral smear findings in chronic myeloid leukemia

SHORT ANSWERS

5 X 3 = 15 Marks

7. Causes of Vitamin B₁₂ deficiency
8. Granuloma – definition and four examples of granulomatous diseases
9. Type III hypersensitivity reaction
10. Etiology of oral cancer
11. Microscopy of lepromatous leprosy

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

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Enumerate the causative agents of infective endocarditis and discuss its laboratory diagnosis

SHORT ESSAY

5 X 5 = 25 Marks

2. Importance of normal oral flora in dental practice
3. Virulence factors of staphylococci
4. Bacteroides fragilis
5. Cytokines
6. Opportunistic fungal infections

SHORT ANSWERS

5 X 3 = 15 Marks

7. Viral cytopathic effects
8. Koch's postulates
9. Adjuvants
10. Sample collection in dental infections
11. Food poisoning

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GENERAL AND 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. Classify Cephalosporins. Explain the mechanism of action, pharmacological actions and therapeutic uses of third generation cephalosporins
2. Classify Beta-blockers. Discuss the therapeutic uses and adverse effects of propranolol

SHORT ESSAY

6 X 5 = 30 Marks

3. Dentifrices
4. Plasma expanders
5. Hyoscine
6. Beclomethosone
7. Therapeutic index of a drug
8. Cisapride

COMPARE AND CONTRAST

4 X 5 = 20 Marks

9. Ketamine and Fentanyl
10. Vigabatrin and Gabapentin
11. Verapamil and nifedipine
12. Neomycin and Gentamicin

SHORT ANSWERS

10 X 3 = 30 Marks

13. Oximes in organophosphorus poisoning
14. Sodium chromoglycate
15. Topical antifungal agents
16. Thrombolytics
17. Osmotic diuretics
18. Minoxidil
19. obtundents
20. Ethanol in methanol poisoning
21. Diazepam in preanaesthetic medication
22. Treatment for septic shock

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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. Write in detail about the development, histology and functions of the salivary gland
2. Describe the structure and functions of Pulp

SHORT ESSAY

10 X 5 = 50 Marks

3. Occlusal surface of permanent mandibular second pre molar
4. Fibers of periodontal ligament
5. Differences between permanent and deciduous dentition
6. Microscopic structures of Enamel
7. Procedure for preparation of Ground section
8. Transient structure of tooth development
9. Eruption sequence of deciduous dentition
10. Structure of Cementum
11. Non keratinized Epithelium
12. Reparative dentin

SHORT ANSWERS

10 X 3 = 30 Marks

13. Lingual nerve
14. Articular disc
15. Ridges and Grooves
16. Alkaline phosphatase
17. FDI notation
18. Curve of spee
19. Supernumerary teeth
20. Cingulum
21. Canine eminence
22. Cementicles

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