APRIL 1995

SB 240

M D.S. DEGREE EXAMINATION

New Regulations

Part I

APPLIED BASIC SCIENCES

Time: Three hours Max. Marks: 180

Answer All Questions

Answer each subject in separate answer book

ANATOMY

1. Describe in detail the anatomy of the temoromandibular joint. (15)

2. Write short notes on:

a). Wharton's duct

b). Palatine tonsil

c). Development of tongue (3 X 5 = 15)

PHYSIOLOGY

1. Write briefly on the composition and functions of saliva and the physiology of its secretion. (15)

2. Write short notes on:

a). Artificial respiration

b). Pathway for dental pain

c). Sense of taste (3 X 5 = 15)

BIOCHEMISTRY

1. Give a brief account of the sources, requirements, functions and metabolism of calcium and its deficiency manifestations. (15)

2. Write short notes on:

a). Ptyalin

b). Immunoglobulin

c). Ascorbic acid (3 x 5 = 15)

PHARMACOLOGY

1. Discuss the pharmacology of anaesthetic drugs used in dental practice. (15)

2. Write short notes on:

a). Adverse drug reactions

b). NSAIDs

c). Haemostatics (3 X 5 = 15)

PATHOLOGY

1. Discuss the pathology of parotid tumours (15)

2. Write short notes on:

a). Epulis

b). Cancrum oris

c). Salivary calculi (3 X 5 = 15)

MICROBIOLOGY

1. Describe in brief the causative agent of AIDS. Discuss the transmission and prevention of HIV infection in dental practice. (15)

2. Write short notes on:

a). Herpes simplex

b). Acquired immunity

c). Vincent's organism. (3 X 5 = 15)

NOVEMBER 1995

MB 241

M.D.S. DEGREE EXAMINATION

(New/Revised Regulations)

Part I

APPLIED BASIC SCIENCES

Time: Three hours Max. marks: 100

Answer All Questions briefly

Answer each subject in separate answer book

ANATOMY

(a) Development of palate and its anomalies

(b) Maxillary air sinus

(c) Schematic representation of eruption and shedding of teeth (3x10=30)

PHYSIOLOGY

(a) Regulation of salivary secretion

(b) Functions of leucocytes

(c) Referred pain - definition and mechanism (3x10=30)

BIOCHEMISTRY

(a) Citric acid cycle

(b) Factors influencing enzymatic reactions

(c) Basal metabolic rate (3x10=30)

PHARMACOLOGY

(a) Objectives of preanaesthetic medication

(b) Beneficial antimicrobial combinations and their clinical utility

(c) Drugs which affect calcium homeostasis (3x10=30)

PATHOLOGY

(a) Morphology of malignant cell

(b) Precancerous lesions of oral cavity

(c) Phagocytosis (3x10=30)

MICROBIOLOGY

(a) Laboratory diagnosis of diphtheria

(b) Candida albicans

(c) Immunoglobulins (3x10=30)

PK 231

OCTOBER 1996

M.D.S. DEGREE EXAMINATION

(Old/New/Revised Regulations)

Part I

Paper I - APPLIED BASIC SCIENCES

Time: Three hours Max.marks:180

Answer each subject in a separate answer book.

Answer All questions.

Write short notes on the following:

ANATOMY

1. Inferior alveolar nerve
2. Dorsum of tongue
3. Relations and tributaries of the cavernous sinus (3x10=30)

PHYSIOLOGY

4. Extrinsic pathway of blood coagulation
5. Mechanism of referred pain
6. Immune surveillance against cancer (3x10=30)

BIOCHEMISTRY

. β oxidation of fatty acids

. Muco polysaccharides

. Plasma buffers (3x10=30)

APRIL 1997

MP 214

M.D.S. DEGREE EXAMINATION

(New/Revised Regulations)

Part I

Paper I - APPLIED BASIC SCIENCES

Time: Three hours Max.marks:180

Answer All Questions

Answer each subject in a separate answer book

All questions carry equal marks

Write short notes:

ANATOMY

1. Hypoglossal nerve

2. Parotid gland

3. Soft palate.

PHYSIOLOGY

4. Neural control of respiration

5. Regulation of blood sugar level

6. Haemorrhagic shock.

BIOCHEMISTRY

7. Homopolysaccharides

8. Factors affecting enzyme activity

9. Cholesterol - its chemistry and functions.

APRIL 1998

[SV 222]

M.D.S. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

(Common to all Branches)

Time : Three hours Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any THREE questions in each subject.

Write briefly on each topic

All questions carry equal marks.

ANATOMY

1. Nerve supply of tongue.
2. Pterygo palatine ganglion.
3. Articular disc of temporomandibular joint.
4. Infra orbital nerve.

PHYSIOLOGY

5. Mechanism of salivary secretion.
6. Hazards of mismatched blood transfusion.
7. Functions of insulin.
8. Artificial respiration.

BIOCHEMISTRY

9. Competitive inhibition.
10. Anaerobic glycolysis.
11. Absorption of fat.
12. Basal metabolic rate

PHARMACOLOGY

13. Saturation kinetics.
14. Ultra short action barbiturates.
15. Synergistic combination of antimicrobial drugs
16. Therapeutic uses of alcohol in dentistry.

PATHOLOGY

17. Bleeding time and clotting time
18. Spread of tumours.
19. Causes of oedema.
20. Mechanism of repair of tissues.

MICROBIOLOGY

21. Autoclave.
22. C. diphtheriae.
23. Dental caries.
24. Type I hypersensitivity reaction

[KA 351] **OCTOBER 1999**

M.D.S. DEGREE EXAMINATION.

Part I

Paper I — APPLIED BASIC SCIENCES

Time Three hours Maximum 180 mark

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each subject

All questions carry equal marks.

(ANATOMY)

1 Duct of parotid gland.

2 Suprameatal triangle.

3 Intrinsic muscles of the Larynx

4 Inferior alveolar nerve.

(PHYSIOLOGY)

5 Hypothyroidism.

6 Deglutition and its regulation.

7 Respiratory centres.

8 Heart sounds.

(BIOCHEMISTRY)

9. Glucose Tolerance Test.

10 Prostaglandins.

11 Cholecalciferol.

12 Oxidative phosphorylation

(PHARMACOLOGY)

13 Newer Penicillins.

14 Indications for Corticosteroid Therapy

15. Oral and parenteral iron preparation their indications and toxicity.

16. Potassium sparing diuretics.

(PATHOLOGY

17 Mechanism of thrombus formation

18 Thrombocytopenia.

19 Chemical Carcinogens

20 Phagocytosis.

(MICROBIOLOGY

21. Methods of sterilisation for dental surgical instruments.

22. Viral infections of Oral Cavity.

23. Discuss the importance of immune complexes in dental diseases.

24 Vincent's Angina

APRIL 2000

[KB 351]

M.D.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours Maximum : 180 marks

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each Subject.

All questions carry equal marks.

ANATOMY

1. Hypoglossal Nerve.
2. Maxillary air sinus.
3. Cavernous sinus.
4. Pharyngeal pouches.

PHYSIOLOGY

5. Blood pressure and dental extraction.
6. Coagulation factors and dental procedures
7. Referred pain.
8. Cardiac cycle

BIOCHEMISTRY

9. Hyperkalimea.
10 Cholesterol.
11 Classification of jaundice.
12 Glucose tolerance test.

PHARMACOLOGY

13 Infective endocarditis prophylaxis

Therapeutic uses of adrenelin.

Merits and demerits of Procaine

16. Methotraxate.

PATHOLOGY

17 Thyroglossal cyst

18 Carcinoma of the cheek

19 Primary complex

20 Acquastic Neuroma.

MICROBIOLOGY

Sterilisation of Instruments against AIDS

22 Passive Immunity

23 Toxins produced by staphalococci

24 Diphtheriods

[KC 351] **OCTOBER 2000**

M.D.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer each subject in a separate answer book.

Answer briefly any THREE questions in each subject.

All questions carry equal marks.

ANATOMY

1. Trigeminal nerve.
2. Ethmoid air sinuses.
3. Submandibular salivary gland.
4. Lateral pterygoid muscle.

PHYSIOLOGY

5. Cushing syndrome.
6. Physiology of taste sensation.
7. Carotid receptors.
8. Premature beats.

BIOCHEMISTRY

9. LDL – Cholestrol.
10. Respiratory acidosis.
11. Bilirubinemias.
12. Lingual lipase.

PHARMACOLOGY

13. Cipro floxacin.
14. Local anaesthesia in dental procedures.
15. Antibiotic prophylaxis of Rheumatic fever.
16. Beta blockers.

PATHOLOGY

17. Healing by first intention.
18. Leukoplakia.
19. Cavernes sinus thrombosis.
20. Causes of edema.

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MICROBIOLOGY

21. Preventive measures against AIDS in dental procedures.

22. Anaphylactic reaction.

23. Dental caries.

24. Tetanus and its prophylaxis.
