Model Paper

MDS Examination Part A

Applied Basic Sciences

Attempt all of the following questions. Each Question carries equal marks. (10 each)

1. Write in detail about the development of pulp-dentin complex.

2. Describe the course and branches of the external carotid artery.

3. Discuss the mechanism of referred pain in relation to the oral cavity.

4. Describe the properties and manipulation of addition silicone impression materials.

5. Describe the patho-physiology of apical periodontitis.

6. Write in detail about the molecular methods of diagnosis.

7. What are non-parametric tests? Write in detail about kruskal-wallis test.

8. What are hypersensitivity reactions? Discuss the management of nanphylactic shock.

9. Discuss the management of status epilepticus in a dental office.

10. Describe the histopathology of dentinal caries.
Model Paper

MDS Examination Part B

Paper I- Conservative Dentistry

Q1. Write in detail about the various systems of dentin bonding agents. (25)

Q2. Describe in detail “Complex Amalgam Restorations”. (25)

Q3. Write short notes on the following: (10 marks each)

a) Mercury hygiene
b) Marginal integrity
c) Secondary retention features
d) Laminates and veneers
e) Bitewing radiographs
Q1. Define regenerative Endodontics. Write in detail about the various Regenerative endodontic procedures. (25)

Q2. Describe in detail “procedural errors in endodontic therapy”. (25)

Q3. Write short notes on the following: (10 marks each)

   a) Hot tooth
   b) Periapical Cyst
   c) Thermoplastic obturation
   d) Reciprocation instruments
   e) Endovac system
Write an essay on two of the following questions: (Each question carries 50 marks)

Q1. Traumatic Dental Injuries.

Q2. Indirect tooth colored restorations

Q3. Management of non-vital teeth with immature apex.