

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
MDS DEGREE PART-I SUPPLEMENTARY EXAMINATIONS: JANUARY 2026
CONSERVATIVE DENTISTRY AND ENDODONTICS

BASIC SCIENCES
PAPER–I

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams wherever necessary
All questions carry equal marks.

Write an essay on the following:

10 X 10=100

1. Write a note about insulin- its production, actions, control of Insulin Secretion in the body. What are the normal values for Blood Glucose Levels?
2. Name the four different systems of Blood Grouping. Explain two important Blood Grouping Systems. Explain about the clinical importance of Blood Grouping with a note on hazards of Blood Transfusion.
3. Define Sterilization and Disinfection. Classify various agents used for Sterilization. Write in detail about Autoclave. Add a note on Sterilization Control.
4. Define and classify Immunity. Write in detail about acquired Immunity. Write a note on Herd Immunity.
5. Write a note on Dentin Bonding agents.
6. Describe the importance of Color and Shade selection in Dentistry.
7. Define Dental Caries. Enumerate theories of Dental Caries and discuss about histopathology of Dental Caries.
8. Define Repair. Describe the process of Surgical Wound Healing.
9. Enumerate different components of sampling.
10. Write in detail about Gypsum Bonded Investment Material.
