

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, UTTAR PRADESH

MDS FIRST YEAR - REGULAR EXAMINATION

BASIC SCIENCES- PROSTHODONTICS

PAPER CODE - 2311105801



Time: 3 Hours

Max Marks: 100 Marks

General instructions:

- All questions are compulsory.
- Explain with diagrams where required.
- Please write the correct paper code.
- Be to the point. No extra copy shall be provided.

LONG ANSWER QUESTIONS

10 x 10 = 100 MARKS

- 1 Describe Hemostasis. Add a note on local approaches to stop bleeding while performing tooth preparation.
- 2 Justify the increase use of castable ceramics in dentistry.
- 3 Examine the various types of study designs relevant to Prosthodontics research.
- 4 Name the facial muscles and discuss the management of patient suffering from trigeminal neuralgia for complete denture fabrication.
- 5 Discuss the physiological mechanisms and coordination involved in the oral, pharyngeal, and esophageal phases of deglutition.
- 6 Discuss the mechanisms of action, pharmacokinetics, and pharmacodynamics of commonly used local anesthetics in prosthodontic procedures.
- 7 Examine the principles and strategies for the control of cross infection in the field of Prosthodontics.
- 8 Discuss the anatomy, innervation, and functional roles of key facial muscles in relation to oral and maxillofacial prosthetic interventions.
- 9 Discuss the principles, methodologies, and potential clinical implications of tissue engineering in the development of oral and maxillofacial prostheses.
- 10 Examine the comprehensive prosthodontic management strategies for patients with AIDS.