

Department of Dental
Propaedeutics and Materials Science
2025-2026 academic year

at the meeting of the Department of Dental
Propaedeutics and Materials Science
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Docent
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**QUESTIONS FOR
THE DISCIPLINE EXAM
"PROPAEDEUTICS IN DENTISTRY"
for 2nd year students of the Faculty of Dentistry
and the Faculty of Medicine of foreign students
in the 2025-2026 academic year**

1. Dentistry. Definition of a specialty. Sections of dentistry. Communication with other disciplines.
2. History of dental development. The development of dentistry in the Republic of Belarus.
3. Equipment and facilities of the dental office. Sanitary and hygienic requirements.
4. Dental facilities. Rules for the operation of dental equipment. The main elements of ergonomics during medical manipulations.
5. Standard dental kit: instruments for examination of the oral cavity, for filling carious cavities. Name, characteristics, and purpose.
6. Asepsis and antiseptics in dentistry.
7. Ergonomics and its role in the work of a dentist. Ergonomic positions of the operator and assistant during dental preparation and removal of dental deposits.
8. Cofferdam: purpose, method of application.
9. Dental rows. Factors that ensure the stability of the dentition. Occlusal surface of the dentition, sagittal and transversal occlusal curves.
10. Dental, basal and alveolar arches. The size ratio. Changes that occur with tooth loss and atrophy of the alveolar processes.
11. Articulation. Occlusion. Definition. Kinds. Characteristics of central occlusion.
12. Vertical movements of the lower jaw. Characteristics of the mutual location of articular surfaces and teeth during terminal and maximum mouth opening.
- 13.. Sagittal movements of the lower jaw. Characteristics of the mutual position of articular surfaces and teeth in various phases.
14. Transversal movements of the lower jaw. Characteristics of the relative position of articular surfaces and teeth in different phases.
15. Definition of the concepts "distal contact position of the mandible", "central occlusion", "state of relative physiological rest".

16. Devices that reproduce the movements of the lower jaw. Types, characteristics.
17. Overbite. Kinds. Characteristics of the physiological bite.
18. Characteristics of semi-physiological types of bite.
19. Classification of carious cavities according to Black. Principles of preparation of carious cavities.
20. Preparation of cavities of the 1st class according to Black.
21. Preparation of cavities of the 2nd class according to Black.
22. Dissection of cavities of the 3rd class according to Black.
23. Dissection of cavities of the 4th grade according to Black.
24. Dissection of cavities of the 5th grade according to Black.
25. Contact point, recovery methods, tools.
26. Filling materials. Classification, properties. Materials for temporary seals. Composition, properties, and application.
27. Pads: insulating, therapeutic, combined. Composition, properties, application.
28. Filling materials. CIC. Composition, properties, and application.
29. Adhesive systems. Composition, properties, and application.
30. Filling materials. Chemical curing composites. Composition, properties, and application.
31. Filling materials. Composites are light-cured. Composition, properties, application.
32. Errors and complications when working with composite materials.
33. Polymerization. Polymerization devices. Ways to reduce polymerization shrinkage.
34. Tabs. General characteristics. Materials and manufacturing methods included.
35. Preparation of cavities for tabs, modes, tools, errors.
36. Veneers. General characteristics. Materials and methods of veneers manufacturing.
37. Techniques of preparing teeth for veneers, mistakes.
38. Comparative characteristics of composite and ceramic veneers.
39. Artificial crowns. General characteristics. Materials and methods of production.
40. Clinical and laboratory stages of manufacturing stamped crowns.
41. Preparation of teeth for stamped crowns, modes, tools, errors.
42. Clinical and laboratory stages of manufacturing cast crowns.
43. Preparation of teeth for cast crowns, modes, tools, errors.
44. Clinical and laboratory stages of manufacturing ceramic metal crowns.
45. Preparation of teeth for metal-ceramic crowns, modes, tools, errors.
46. Methods and techniques of single-stage production of plastic crowns.
47. Technique of making prints with alginate materials.
48. The technique of making impressions with silicone materials.
49. Materials for temporary fixation of non-removable dentures.
50. Materials for permanent fixation of non-removable dentures.
51. Reasons for removing dentures. Tools used to remove dentures. Methods and techniques for removing non-removable dentures.
52. Types of dental deposits, causes, mechanism of formation of dental deposits, types of microorganisms involved in the formation of plaque. Indication of dental deposits. The ONIS index, its definition and interpretation.

53. Methods and means of individual oral hygiene. Methods of cleaning teeth.
54. Methods and means of professional dental plaque removal. Dental tools for removing dental deposits. Standardization of the toolkit.
55. Teeth. Groups of teeth according to age, morphological and functional characteristics.
56. Tooth parts, tooth surfaces. Signs of tooth ownership. Dental formula and its types.
57. Characteristics of the crown surface relief, anatomy and topography of the root canals of the central incisors of the upper jaw.
58. Characteristics of the relief of the crown surfaces, anatomy and topography of the root canals of the lateral incisors of the upper jaw.
59. Characteristics of the relief of the crown surfaces, anatomy and topography of the root canals of the canines of the upper jaw.
60. Characteristics of crown surface relief, anatomy and topography of the root canals of the first premolars of the maxilla.
61. Characteristics of crown surface relief, anatomy and topography of the root canals of the second premolars of the maxilla.
62. Characteristics of crown surface relief, anatomy and topography of the root canals of the first molars of the maxilla.
63. Characteristics of crown surface relief, anatomy and topography of root canals of the second molars of the maxilla.
64. Characteristics of the relief of the crown surfaces, anatomy and topography of the root canals of the central incisors of the lower jaw.
65. Characteristics of the relief of the crown surfaces, anatomy and topography of the root canals of the lateral incisors of the lower jaw.
66. Characteristics of the relief of the crown surfaces, anatomy and topography of the root canals of the canines of the lower jaw.
67. Characteristics of crown surface relief, anatomy and topography of the root canals of the first premolars of the mandible.
68. Characteristics of crown surface relief, anatomy and topography of the root canals of the second premolars of the mandible.
69. Characteristics of the crown surface relief, anatomy and topography of the root canals of the first molars of the mandible.
70. Characteristics of crown surface relief, anatomy and topography of the root canals of the second molars of the mandible.
71. Anatomical and topographic features of the structure of cavities of permanent teeth. The structure and functions of pulp and periodontium.
72. The technique of opening the tooth cavity in the teeth of the upper jaw. Tools, modes of operation.
73. The technique of opening the tooth cavity in the teeth of the lower jaw. Tools, modes of operation.
74. The method of opening the tooth cavity, depending on the topography of the carious cavity and the group affiliation of the tooth.

75. Endodontics. Endodontic instruments, purpose. Principles of standardization.
76. K-file: purpose, materials for manufacture, working technique.
77. H-file: purpose, materials for manufacture, working technique.
78. K-rimer: purpose, materials for manufacture, working technique.
79. Pulp extractor: purpose, materials for manufacture, working technique.
80. Channel filler: purpose, materials for manufacture, working technique.
81. Methods of amputation and extirpation of pulp.
82. Apical-crown method of endodontic treatment.
83. Crown-apical method of endodontic treatment.
84. Medical treatment of the root canal, drying of the root canal.
85. Errors and complications in the endodontic treatment of root canals.
86. Materials for filling root canals. Classification. The requirements being presented.
87. Criteria for the effectiveness of root canal filling.
88. Preparation of root canals for sealing and the technique of canal sealing by lateral condensation.
89. Preparation of root canals for filling and method of filling channels manually.
90. Preparation of root canals for filling and method of filling channels by machine.
91. Errors and complications in filling root canals.
92. Radiological anatomy of the maxillary system.
93. Sealing of contoured root canals for pin structures. Tools, modes of operation.
94. Pin structures. Classification, materials. Requirements for cor.
95. Preparation of a tooth for a stump pin tab. Tools, modes, errors.
96. The sequence of manufacturing the stump pin tab with a straight method. Tools and materials.
97. The sequence of manufacturing the stump pin tab by the indirect method. Tools and materials.
98. Bridge-like prostheses. Characteristics, materials. Manufacturing methods.
99. Clinical and laboratory stages of manufacturing stamped-soldered bridge prostheses.
100. Clinical and laboratory stages of manufacturing cast bridge prostheses.
101. Clinical and laboratory stages of manufacturing metal-ceramic bridge prostheses.
102. Clinical and laboratory stages of manufacturing plastic bridge prostheses.
103. Materials, methods and techniques of single-stage manufacturing of plastic bridge prostheses.
104. Gum retraction. Materials, tools, methods.