



**EXAM QUESTIONS ON DISCIPLINE
« PROPAEDEUTICS IN DENTISTRY »
for 2 course of 2023-2024 academic year
Medical Faculty for International Students (specialty 1-79 01 07 "Stomatology")**

1. Teeth. Group of teeth by age, morphological and functional signs.
2. Anatomical features of the teeth. General morpho-functional characteristic (parts, surfaces, teeth signs).
3. Dental numbering systems, and their types.
4. Upper central incisors morphology. Characteristics of the crown anatomical structures and root canals anatomy of central incisors.
5. Upper lateral incisors morphology. Characteristics of the crown anatomical structures and root canals anatomy of lateral incisors.
6. Upper canines morphology. Characteristics of the crown anatomical structures and root canals anatomy of canines.
7. Upper first premolars morphology. Characteristics of the crown anatomical structures and root canals anatomy of upper first premolars.
8. Upper second premolars morphology. Characteristics of the crown anatomical structures and root canals anatomy of upper second premolars.
9. Upper first molars morphology. Characteristics of the crown anatomical structures and root canals anatomy of upper first molars.
10. Upper second molars morphology. Characteristics of the crown anatomical structures and root canals anatomy of upper second molars.
11. Lower central incisors morphology. Characteristics of the crown anatomical structures and root canals anatomy of central incisors
12. Lower lateral incisors morphology. Characteristics of the crown anatomical structures and root canals anatomy of lateral incisors.
13. Lower canines morphology. Characteristics of the crown anatomical structures and root canals anatomy of canines.
14. Lower first premolars morphology. Characteristics of the crown anatomical structures and root canals anatomy of lower first premolars.
15. Lower second premolars morphology. Characteristics of the crown anatomical structures and root canals anatomy of lower second premolars.
16. Lower first molars morphology. Characteristics of the crown anatomical structures and root canals anatomy of lower first molars.

17. Lower second molars morphology. Characteristics of the crown anatomical structures and root canals anatomy of lower second molars.
18. Dental rows. Зубные ряды. Factors ensuring the functional stability of the dentition. Occlusion surfaces of dental row, sagittal and transversal occlusion curves.
19. Dental, alveolar and basal arches. The ratio of their proportions.
20. Articulation. Occlusion. Definition. Types. Characteristics of central occlusion.
21. Vertical movements of the lower jaw. The characteristics of each of the articular surfaces and the teeth in the terminal and the maximum opening the mouth.
22. Sagittal movement of the mandible. The characteristics of each of the articular surfaces and the teeth in different phases.
23. Transversal movements of the mandible jaw. Give the characteristics of each of the articular surfaces and teeth in different phases.
24. The definition of the terms “distal contact position of the lower jaw”, “Central occlusion,” “physiological rest position”.
25. Apparatus for reproduction of lower jaw movement. Types, properties.
26. Bites. Type of bites. Characteristics of physiological bite.
27. Semi-physiological bites. Their characteristics.
28. Masticatory muscles, functional characteristic.
29. Dentistry. The definition of the specialty. Branches of dentistry.
30. Equipment and armamentarium of a dental office. Sanitary and hygienic requirements.
31. Dental units. Rules for operating dental equipment.
32. Basics of ergonomics in dentistry.
33. Standard dental kit. Instruments, characteristics, purpose.
34. Aseptic and antiseptics in dentistry.
35. Cofferdam: purpose and application methods.
36. Classification of carious cavities by Black. Principles and stages of the carious cavities preparation.
37. Principles of preparation of cavities 1 class by Black.
38. Principles of preparation of cavities 2 class by Black.
39. Principles of preparation of cavities 3 class by Black.
40. Principles of preparation of cavities 4 class by Black.
41. Principles of preparation of cavities 5 class by Black.
42. The contact point. A physiological role. The tools needed for contact point restoration.
43. Filling materials. Classification. Properties. Materials for temporary fillings. Composition, properties, application.
44. Liners: isolation, therapeutic, combined. Composition, properties, application.
45. Filling materials: glass ionomer cement. Composition, properties, application.
46. Adhesive systems. Composition, properties, application.
47. Filling materials: chemical-cured composites. Composition, properties, application.
48. Filling materials: light-cured composites. Composition, properties, application.
49. Mistakes and complications during filling of carious cavities with composites.
50. Polymerization. Polymerization devices. Polymerization shrinkage.
51. Taking impressions with alginate materials, mistakes.

52. Taking impressions with silicone materials, mistakes.
53. Materials used for fixation of fixed dentures.
54. Technic of working with temporary fixation materials.
55. Technic of working with permanent fixation materials.
56. Tools and equipment for removing fixed dentures.
57. Dental deposits. Methods of detection. Means of professional hygiene of oral cavity. Control methods of its effectiveness. Oral hygiene index simplified (Green-Vermillion, OHI-S). Evaluation criteria and interpretation of the index.
58. Methods and means of individual oral hygiene.
59. Methods and means of professional oral hygiene. Instruments and equipment.
60. Anatomical and topographic features of the structure of the cavities of permanent teeth. The structure and functions of pulp and periodontium.
61. Methodic of preparing pulp access cavity for frontal teeth. Instruments, stages.
62. Methodic of preparing pulp access cavity for posterior teeth. Instruments, stages.
63. Method of opening the pulp access depending on the topography of the carious cavity.
64. Endodontic instrumentation. The principles of standardization.
65. K-file: purpose and technique of work.
66. H-file: purpose and technique of work.
67. K-reamer: purpose and technique of work.
68. Barbed broach: purpose and technique of work.
69. Lentulo: purpose and technique of work.
70. Rotary endodontic instruments. Characteristic, technique of work.
71. Instruments and methods of amputation and pulp extirpation.
72. Apical-coronal method of endodontic treatment of root canals.
73. Coronal-apical method of endodontic treatment of root canals.
74. Medical treatment and preparation of root canal for obturation.
75. Mistakes and complications during endodontic treatment of root canals.
76. Methods of obturation of root canals.
77. Filling materials for root canals. Classification, requirements.
78. Efficiency criteria of root canals obturation.
79. Preparation of root canals before obturation and technique of lateral compaction.
80. Preparation of root canals before obturation and manual technique of filling root canal.
81. Preparation of root canals before obturation and machine technique of filling root canal.
82. Mistakes and complications during obturation of root canals.
83. Radiological anatomy of maxillofacial system.
84. Preparation of root canals for re-obturation. Indications, instruments, equipment, methods, mistakes.
85. Post constructions, classification. Requirements for the root of tooth during fabrication of post constructions.
86. Preparation of root canals and coronal part of tooth during fabrication of post constructions. Instruments, equipment, methods, mistakes.
87. Stages of fabrication of cast post-and-core by direct method. Instruments, materials, mistakes.

88. Stages of fabrication of cast post-and-core by indirect method. Instruments, materials, mistakes.
89. Methods of crown restoration with the use of standard posts. Instruments, materials, mistakes.
90. Main characteristic of microprostheses. Classification, requirements, advantages, disadvantages.
91. Requirements and rules of cavities formation for different types of microprostheses.
92. Clinical-laboratory stages of inlays fabrication from metal alloys.
93. Clinical-laboratory stages of inlays fabrication from ceramic.
94. Stages of inlays fabrication from composite materials.
95. Mistakes during inlays fabrication at the stage of their fitting and fixation, methods of management.
96. General characteristic of veneers. Classification, requirements, advantages, disadvantages.
97. Clinical-laboratory stages of ceramic veneers fabrication.
98. Preparation of teeth for veneers. Mistakes.
99. Comparative characteristic of composite and ceramic veneers.
100. Mistakes during fabrication of ceramic veneers at the stage of their fitting and fixation, methods of management.
101. General characteristic of artificial crowns. Classification, requirements, advantages, disadvantages.
102. Clinical-laboratory stages of stamped metal crown fabrication.
103. Mistakes during fabrication of a stamped crown at the stage of its fitting and fixation, methods of management.
104. Clinical-laboratory stages of cast metal crown fabrication.
105. Preparation of teeth for cast crowns, mistakes.
106. Mistakes during fabrication of a cast crown at the stage of its fitting and fixation, methods of management.
107. Clinical-laboratory stages of plastic crown fabrication.
108. Mistakes during fabrication of a plastic crown at the stage of its fitting and fixation, methods of management.
109. Clinical-laboratory stages of ceramic crown fabrication.
110. Preparation of teeth for ceramic crowns, mistakes.
111. Mistakes during fabrication of a ceramic crown at the stage of its fitting and fixation, methods of management.
112. Clinical-laboratory stages of metal-ceramic crown fabrication.
113. Preparation of teeth for metal-ceramic crowns, mistakes.
114. Mistakes during fabrication of a metal-ceramic crown at the stage of its fitting and fixation, methods of management.
115. Classification of defects of dental rows. Types of dentures to restore defects of dental rows.
116. Bridge dentures: characteristic, types, requirements, advantages, disadvantages.
117. Specific features of teeth preparation for bridge dentures, mistakes.
118. Clinical-laboratory stages of a stamped-cast metal bridge fabrication.

119. Mistakes during fabrication of a stamped-cast metal bridge at the stage of its fitting and fixation, methods of management.

120. Clinical-laboratory stages of a cast metal bridge fabrication.

121. Mistakes during fabrication of a cast metal bridge at the stage of its fitting and fixation, methods of management.

122. Clinical-laboratory stages of a plastic bridge fabrication.

123. Mistakes during fabrication of a plastic bridge at the stage of its fitting and fixation, methods of management.

124. Clinical-laboratory stages of a ceramic bridge fabrication.

125. Mistakes during fabrication of a ceramic bridge at the stage of its fitting and fixation, methods of management.

126. Clinical-laboratory stages of a metal-ceramic bridge fabrication.

127. Mistakes during fabrication of a metal-ceramic bridge at the stage of its fitting and fixation, methods of management.