

**List of the theoretical questions
for preparing for differentiated test on "Propedeutics of Pediatric Therapeutic Dentistry"
(II course)**

1. Basic dental instruments for therapeutic administration. Types. Indications.
2. Disinfection and sterilization of different types of dental instruments.
3. Anatomical structure of the temporary teeth of the upper jaw.
4. Anatomical structure of the temporary teeth of the lower jaw.
5. Anatomical structure of the permanent incisors and canines.
6. Anatomical structure of the permanent premolars.
7. Anatomical structure of the first and second permanent molars.
8. Stages of development of the temporary and permanent teeth
9. Terms of eruption of the temporary and permanent teeth
10. Types of root resorption of the temporary teeth
11. Classification of cavities by Black. The main stages of the .
12. Main principles and methods of the cavity preparation.
13. Peculiarities of cavity preparation depending on the choice of filling material (amalgam, composites, compomers, traditional and glass ionomer cements).
14. Preparation and formation of the class I cavities in the temporary and permanent teeth in children.
15. Preparation and formation of the class II cavities in the temporary and permanent teeth in children.
16. Preparation and formation of the class III cavities in the temporary and permanent teeth in children.
17. Preparation and formation of the class IV cavities in the temporary and permanent teeth in children.
18. Preparation and formation of the class V cavities in the temporary and permanent teeth in children.
19. 19. Classification of dental filling materials.
20. Zinc-phosphate cements. The composition, properties, indications for use. Technology of preparation and filling with zinc-phosphate cements.
21. Glass ionomer cements. General characteristics, group, composition, positive qualities and shortcomings.
22. Method of preparation of glass ionomer cement. Technology of filling.
23. Materials for therapeutic and isolating liners. Groups, the main properties and requirements. Methods of placement of therapeutic and isolating liners.
24. Silver amalgam. Compositions, positive and negative qualities. Types of amalgams.
25. Technique of filling with amalgam . Required tools.
26. Modern classification of composite materials. The composition, properties, indications for use.
27. Chemically hardened composite materials. Positive and negative characteristics, indications for use.
28. Technique of cavity filling with chemical chemically hardened composite materials.
29. Light-curing composites materials. Positive and negative characteristics, indications for use.
30. Technique of cavity filling with light-curing composites.
31. Adhesive system. Types, indications. Technology of use.
32. Compomers. General characteristics, indications, advantages and disadvantages.
33. Filling materials for class 1 cavities in the temporary and permanent teeth in children, the technique of its use.
34. Filling materials for class 2 cavities in the temporary and permanent teeth in children, the technique of its use.

35. Technique of restoring of contact point at filling of the class II cavities . Necessary accessories.
36. Filling materials for the classes III, IV and V cavities in the temporary and permanent teeth in children.
37. Peculiarities of filling of the class III, IV cavities in the permanent teeth.
38. Final processing of the permanent filling. Required tools and accessories.
39. Steps of the endodontic treatment.
40. Topography of the pulp chamber of the temporary molars. Technique of opening of the pulp chamber in the temporary molars.
41. Topography of the pulp chamber of the temporary and permanent incisors and canines. Technique of opening of the pulp chamber in the temporary and permanent incisors and canines.
42. Topography of the pulp chamber of the premolars. Technique of opening of the pulp chamber in premolars.
43. Topography of the pulp chamber of the permanent upper molars. Technique of opening of the pulp chamber in the permanent upper molars.
44. Topography of the pulp chamber of the permanent lower molars. Technique of opening of the pulp chamber in the permanent lower molars.
45. Modern classification of the endodontic instruments, its indications, rules of use.
46. Stages of canal root treatment. Which tools are used at each stage?
47. Characteristics of modern techniques of instrumentation of root canal, a standard method, step-back and crown-down techniques. Indications.
48. Modern classification of materials for root fillings.
49. Modern materials which are used for root fillings in the temporary and permanent teeth. Their characteristics, advantages and disadvantages.
50. Technology of preparation and use of zinc-oxide paste for root canal filling in the permanent teeth.
51. Algorithm of root canal filling of permanent teeth with gutta-percha (lateral condensation filling technique).
52. Materials for temporary root canal filling in the temporary and permanent teeth. Types, properties, indications for use.
53. Algorithm of the temporary root canal obturation in the permanent teeth with unformed roots with calcium hydroxide paste.
54. Technique of preparing of the artificial dentin for applying the hermetic bandages and temporary fillings.
55. Mistakes during the instrumental treatment of root canals of the temporary and permanent teeth with immature roots. Methods of its prevention and elimination.
56. Mistakes during the root canal filling of the temporary and permanent teeth with immature roots. Methods of its prevention and elimination.