APPROVED
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List of questions for the credit in «Maxillofacial orthopedics and orthopedic dentistry» for 10th semester, 5th year students in 2025/2026 academic year

1. Etiology, clinical presentation, and examination methods for patients with hard tissue dental diseases.
2. Indications for correcting crown defects with inlays and veneers.
3. Basic principles of cavity preparation for inlays depending on defect topography and distribution of masticatory forces.
4. Methods and sequence of inlay fabrication.
5. Methods of veneer fabrication, stages, and tools for odontopréparation for veneers. Criteria for assessing the quality of tooth preparation. Fitting and fixation of veneers, materials used for fixation.
6. Errors and complications in prosthodontic restoration of crown defects with inlays and veneers.
7. Indications and contraindications for the manufacture of metal stamped crowns. Clinical and laboratory stages of manufacturing a metal stamped crown.
8. Indications and contraindications for the manufacture of plastic crowns. Clinical and laboratory stages of manufacturing a plastic crowns.
9. Indications and contraindications for the manufacture of metal-acrylic, metal-ceramic and metal-free crowns. Clinical and laboratory stages of manufacturing a metal-acrylic, metal-ceramic and metal-free crowns.
10. The sequence of teeth preparation for a cast-metal, metal-acrylic, metal-ceramic and metal-free crowns. Tooth preparation quality control.
11. Clinical and laboratory stages of manufacturing a cast-metal, metal-acrylic, metal-ceramic and metal-free crowns.
12. Requirements for the condition of the root and surrounding tissues when creating a abutment post construction.
13. Indications for the use of abutment post constructions depending on the condition of the subgingival tissues, wall thickness, and bite type.
14. Provide a comparative characterization of abutment post constructions and post teeth.

15. Features of hard tissue preparation and root canal preparation for abutment post constructions.

16. Methods of manufacturing abutment post constructions, materials used in this process.

17. Elastic post constructions, indications for their use, materials used in this process, and features of root canal preparation.

18. Etiology of partial tooth loss.

19. Pathogenesis of partial tooth loss.

20. Classification of dental arch defects (by Kennedy, Gavrilov, ICD-10).

21. Clinical presentation of partial tooth loss.

22. Treatment planning for patients with dental arch defects.

23. Clinical presentation of partial tooth loss during external examination.

24. Changes in the maxillofacial system with partial tooth loss.

25. Changes in the temporomandibular joint with partial tooth loss.

26. Secondary deformities of dental arches in partial tooth loss, pathogenesis, clinical features.

27. Treatment algorithm for patients with partial tooth loss, reduced lower face height, and secondary dental arch deformities.

28. Indications and contraindications for the fabrication of full-metal, M-A (metal-acrylic), M-K (metal-ceramic), B-M (bridge metal) bridge prostheses.

29. Principles of tooth preparation for the fabrication of full-metal, M-A, M-K, B-M bridge prostheses.

30. Methods of retraction and impression-taking, and the requirements for impressions when making bridge prostheses.

31. Clinical and laboratory stages of fabrication of full-metal, M-A, M-K, B-M bridge prostheses.

32. Criteria for assessing the quality of different bridge prosthesis constructions.

33. Rules of fixation for various bridge prosthesis designs.

34. Indications and contraindications for using removable plate prostheses in partial tooth loss. Characteristics of partial removable prostheses and their structural elements.

35. Methods of fixing and stabilizing plate prostheses. Clasp line and its significance for prosthesis fixation. Boundaries of the plate prosthesis and dependent conditions.

36. Clinical and laboratory stages of making partial removable prostheses.

37. Determining the centric relation of the jaws. Methods for determining the lower face height. Clinical guidelines for selecting and mounting teeth.

38. Inspection of partial removable prosthesis structures. Possible errors.

39. Preparation and polymerization modes of base plastics. Casting pressing technique and its features.

40. Fitting and placement of removable prostheses. Patient adaptation mechanisms. Instructions for patients on usage rules and hygienic care of partial removable plate prostheses. Rules for prosthesis adjustments.

41. Medical-biological fundamentals of clasp denture treatment, their characteristics. Constructive elements of clasp dentures.

42. Clinical indications and contraindications for fabricating clasp dentures.

43. Parallelogrammeter: methods of parallelogrammetry.

44. Ney's clasp system: selection of clasps depending on the placement of the interfacial line.

45. Clinical and laboratory stages of casting full-metal clasp dentures on refractory models. Equipment and materials necessary for their fabrication.

46. Manufacturing full-metal clasp dentures using attachment systems. Types of attachments, clinical conditions for their application.

47. Etiology, pathogenesis, and clinical features of complete edentulism. Changes in the dentoalveolar system during complete edentulism.

48. Classifications of edentulous jaws according to Snyder, Keller, Kurland. Types of mucosa by Supli. The concepts of mucosal mobility and compliance.

49. Preparation for prosthetics in complete edentulism (general and special).

50. Methods of fixation and stabilization of dentures on edentulous jaws (mechanical, physical, biomechanical, biophysical). Factors stabilizing dentures on the upper and lower jaws in cases of complete tooth loss.

51. Features of fabricating complete removable dentures in patients with oral mucosa diseases. Possible materials and methods for manufacturing complete removable dentures.

52. Individual trays: general characteristics, materials for fabrication.

53. Functional impressions: materials used for their obtained.

54. Fitting an individual tray to the maxilla with Herbst functional trials.

55. Fitting an individual tray to the mandible using Herbst functional trials.

56. Methodology for obtaining functional impressions, justification for selecting impression materials depending on the condition of the alveolar process mucosa.

57. Boundaries of the prosthesis bases for the maxilla and mandible.

58. Clinical and laboratory stages of constructing complete removable plate dentures.

59. Anthropometric landmarks for determining the central relation of the jaws. Methods for determining the height of the lower segment and their characteristics. Sequence of establishing the central relation of the jaws.

60. Methods of setting artificial teeth when fabricating complete removable dentures. Features of tooth placement in prognathic and retrognathic alveolar relations.

61. Technique and sequence of checking wax try-in of dentures.

62. Errors during the determination of the central relation of the jaws. Clinical signs and the dentist’s tactics when increasing or decreasing the height of the lower facial segment during the "wax try-in" stage. Clinical signs and tactics related to fixing the mandible in anterior and lateral occlusions at the previous stage.

63. Re-prosthetics in complete edentulism using the duplication method.

64. Etiology and pathogenesis of periodontal diseases.

65. Pathological changes in periodontal tissues in chronic simple and complex periodontitis.

66. Classification of periodontal diseases by WHO and the International Classification.

67. Clinical, radiological, and laboratory diagnostic methods for periodontal diseases.

68. Clinical manifestations and differential diagnosis of periodontal diseases.

69. Deontological rules when treating patients with periodontal diseases.

70. What are the endurance and reserve forces of the periodontium? Their significance in orthopedic treatment of periodontal tissue diseases.

71. Clinical and radiological signs of periodontal tissue lesions, their interrelation.

72. The odontoparodontogram: principles of its construction and structure. Analysis of the functional state of the periodontium based on the odontoparodontogram.

73. Causes of overload of individual teeth or groups of teeth. Clinical picture and methods for identifying overloaded teeth with periodontal overload.

74. Tooth grinding (occlusal adjustment) as the initial stage of periodontal treatment. Methods of selective occlusal adjustment, complications.

75. Indications for temporary and permanent splinting.

76. Requirements for temporary and permanent splints.

77. Types of temporary and permanent splints and their characteristics.

78. Errors and complications during temporary and permanent splinting.

79. Indications and contraindications for orthodontic treatment in periodontal diseases.

80. Features of orthodontic treatment for patients with periodontal tissue lesions.

81. Patient examination and diagnosis with partial and complete edentulism in prosthetic treatment using implants.

82. Types of bone tissue according to S. Mish.

83. Types of dental implants and their characteristics (classification, types).

84. Structural components of dental implants.

85. Indications and contraindications for prosthetic treatment with dental implants.

86. Requirements for prostheses used after dental implantation.

87. Indications and contraindications for the fabrication of fixed dental prostheses supported by dental implants with cement fixation.

88. Cements used for fixation of prosthetic structures supported by dental implants.

89. Features of designing prostheses supported on dental implants with cement fixation.

90. Clinical and laboratory stages of manufacturing fixed dental prostheses supported by dental implants with cement fixation.

91. Errors and complications in the prosthetic treatment of patients with partial tooth loss using fixed dental prostheses supported by dental implants with cement fixation.

92. Indications for the fabrication of fixed dental prostheses supported by dental implants with screw retention.

93. Contraindications for the fabrication of fixed dental prostheses supported by dental implants with screw fixation.

94. Features of designing prostheses supported by dental implants with screw fixation.

95. Clinical and laboratory stages of manufacturing fixed dental prostheses supported by dental implants with screw fixation.

96. Errors and complications in orthopedic treatment of patients with partial tooth loss using fixed dental prostheses supported by dental implants with screw fixation.

97. Indications and contraindications for fabricating dental prostheses on dental implants supported by multi-units.

98. Features of designing prostheses supported by multi-units.

99. Clinical and laboratory stages of fabricating dental prostheses on dental implants supported by multi-units.

100. Advantages and disadvantages of prosthetics using multi-units.

101. Errors and complications in the orthopedic treatment of patients with partial tooth loss using fixed dental prostheses supported by dental implants with multi-units.

102. Errors in manufacturing inlays and veneers.

103. Errors in manufacturing full-ceramic, MA, MK, BM crowns.

104. Errors in manufacturing full-ceramic, MA, MK, BM bridge prostheses.

105. Errors in fabricating partial removable and clasp (hook) prostheses.

106. Errors in fabricating complete removable prostheses.

107. Errors in prosthetics supported by dental implants.

108. The organizational foundations of dental prosthetic care in the Republic of Belarus.

109. Structure of a dental polyclinic and orthopedic department.

110. Rights and responsibilities of the doctor and patient.

111. Service life and quality guarantees of dental prostheses.

112. Issues of medical ethics, deontology, asepsis, and antisepsis in an orthopedic dentistry clinic.