MEDICAL UNIVERSITY- VARNA

FACULTY OF DENTAL MEDICINE

Department of Pediatric Dentistry

SYLLABUS

OF

PEDIATRIC DENTISTRY

STATE EXAM

Academic Year 2017/2018

Part 1- Test

1. Ontogenetic development of the oral-facial region.

2. Morphological and biological characteristics of the tooth germ, elements and functions.

3. Histological genesis of enamel.

4. Morphology and physiology of enamel.

5. Histological genesis of dentin.

6. Morphology and physiology of dentin.

7. Histological genesis and anatomy of dental pulp.

8. Morphology and physiology of dental pulp.

9. Histological genesis, morphology and physiology of cement.

10. Histological genesis, morphology and physiology of periodontal apparatus and alveolar bone.

11. Histological genesis, morphology and physiology of oral mucosa.

12. Topographic anatomy, functions and physiology of the oral mucosa.

13. Dynamics of development of primary teeth.

14. Dynamics of development of permanent teeth.

15. Teeth structural disturbances- etiology, pathological genesis and classification.

16. Physiological content of oral cavity- compounds and role in physiological processes in mouth.

17. Ecology of oral cavity.

Part 2

18. Etiology of tooth decay- role of the host.

19. Etiology of tooth decay- role of carbohydrates.

20. Etiology of tooth decay- role of microorganisms.

21. Genesis, structure and biochemical characteristics of dental plaque.

22. Pathological genesis of tooth decay- different theories and contemporary conception.

23. Mechanisms of de- and re-mineralization.

24. Morphological alterations into enamel in condition of tooth decay.

25. Morphological alterations into enamel and dentin in condition of tooth decay.

26. Complex prophylaxis of dental diseases. Prophylactic programs.

27. Alimentary prophylaxis.

28. Control of carbohydrate meal. Food pyramid.

29. Endogenic fluoride prophylaxis.

30. Topical fluoride prophylaxis.

31. Oral hygiene at child’s age.

32. Prophylactic procedures with application of contemporary products with mineralization efficiency.

33.Prophylactic coverage of fissures- sealants.

34. Health-oriented training and upbringing.Health-oriented promotion.

35. Prevention of early childhood caries.

36. Models for risk assessment of dental diseases. Indexes for registration of oral health status in children.

37. Psychological problems concerning dental treatment at child’s age.

38. Methods of influence of child’s behavior at the dental office.

39. Treatment of children with specific health care needs.

Part 3

40. Examination of child with dental diseases.

41. Pshychological problems in the daily dental practice – factors, determining the child’s behavior: assessment of child’s anxiety.

42. Methods for modeling child’s behavior – non-pharmacological management.

43. Methods for modeling child’s behavior – pharmacological management. Treatment under general anesthesia.

44. Dental caries on primary teeth – features, classification, clinical symptoms, diagnostics and treatment

45. Dental caries on children’s permanent teeth – features, classification, clinical symptoms, diagnostics and treatment.

46. Restoration materials in pediatric dentistry. Preformed metal crowns. Operative treatment of the dental caries in primary and permanent teeth in childhood age. .

47. Early childhood caries – risk factors, features, diagnostics, clinical symptoms and treatment.

48. Pulpitis on primary teeth – morphologic features, etiology, classification, diagnostics, clinical symptoms and treatment.

49. Pulpitis on children’s permanent teeth – classification, features, diagnostics, clinical symptoms and treatment.

50. Biological methods of treatment of the children’s permanent teeth – indirect and direct pulp capping. Calcium hydroxide agents – types, mechanism of their effect.

51. Biological methods of treatment of pulpitis of children’s permanent teeth in childhood age – vital pulpotomy, partial pulpectomy.

52. Periodontitis in primary teeth – classification, features, diagnostics, clinical symptoms and treatment.

53. Periodontitis in children’s permanent teeth with incomplete root development – classification, features, diagnostics, clinical symptoms and treatment. Apexfication.

54. Periodontitis in children’s permanent teeth with complete root development. Contemporary methods of treatment and root canal obturation.

55. Traumatic injuries in primary teeth – classification, features, diagnostics, clinical symptoms and treatment.

56. Traumatic injuries in children’s permanent teeth in childhood age – classification, features, clinical symptoms and treatment.

57. Primary teeth extraction – indications, anesthesia (premedication). Space maintainers.

58. Hereditary dysplasia – classification, diagnostics, clinical symptoms and treatment.

59. Congenital and acquired dysplasia – classification, diagnostics, clinical symptoms and treatment.

60. Oral mucosa diseases in childhood age – etiology, pathogenesis, classification.

61. Parodontal diseases in childhood age – etiology, classification, indexes.

62. Plaque induced and plaque associated gingivitis in childhood age.

63. Non-plaque associated gingivitis in childhood age.

64. Herpes infections in childhood age. Acute herpetic gingivostomatitis.

65. Oral candidosis in childhood age.

66. Recurrent aphtae and apthous in childhood age.

67. Parodontitis in childhood age – aggressive periodotitis – classification, etiology, clinical symptoms and treatment.

68. Parodontitis associated with common diseases and syndroms in childhood age.

69. Symptomatic stomatitis due to infectious diseases.

70. Symptomatic stomatitis due to blood diseases and disturbances

71. Symptomatic stomatitis due to gastro-intenstinal diseases and hypovitaminosis.

72. Symptomatic stomatitis due to mucocutaneous diseases.

73. Symptomatic due to rare diseases and syndroms.

74. Cheilitis and glositis.

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