**Questions for the oral exam in Endodontics 2**

**I. Operative Dentistry:**

1. Classification of carious lesions according the Black
2. Common principles of cavity preparation classical and modern
3. Gaining access and opening of carious lesion
4. Outline of the cavity. Extension for prevention
5. Retention form of cavity design
6. Resistance form of cavity design. Resistance of the restoration
7. Caries removal
9. Class I cavity preparation
10. Class II cavity preparation
11. Class III cavity preparation
12. Class IV cavity preparation
13. Class V cavity preparation – neck defects
14. Cavity preparation failures and complications
15. Pulp protection during preparation and filling procedures
16. Indication of filling materials
17. Adhesion in filling therapy
18. Rigid fillings – inlays and onlays
19. The enamel
20. The Dentin
21. Pulp-periodontal organ, endoperiodontal lesions
22. Noninvasive treatment of dental caries
23. Miniinvasive treatment of dental caries
II. Cariology:
1. Developmental disorders of dental hard tissues
2. Acquired pathological changes of dental hard tissues
3. Theories of dental caries
4. Aetiology of dental caries – exogenous and endogenous causes
5. Dental microbial plaque and bacteriology of dental caries
6. Nutrition and its role in dental caries
7. Pathomorphology of the enamel caries
8. Pathomorphology of dentinal caries
9. Clinical types of caries lesions, classification of dental caries
10. Sites of dental caries. Stagnation areas.
11. Diagnostic of dental caries. Subjective signs and objective findings
12. Importance of nutrition in caries prevention
13. Systemic endogenous administration of fluorides in caries prevention
14. Topical application of fluorides in caries prevention
15. Oral hygiene in prevention of dental caries
16. Patient examination in restorative dentistry
17. Radiographical examination in restorative dentistry
18. Calcium hydroxide in restorative dentistry
19. Treatment planning, first and second appointment
20. Hyperesthesia of dentin, treatment management
21. Indirect pulp capping
22. Direct pulp capping

III. Endodontics:
1. Endodontics, endodontium, endodontic diseases
2. Classification of pathological changes in dental pulp
3. Pulposis - regressive and degenerative changes of dental pulp
4. Dental pulp inflammations – aetiology, classification, signs
5. Diagnosis of dental pulp inflammations
6. Acute pulpitis
7. Chronic pulpitis
8. Necrosis and gangraena of dental pulp
9. Reversible and irreversible forms of dental pulp involvement
10. Therapeutical principles of dental pulp inflammations
11. Medicamentous treatment of pulpitis with preserving whole vital dental pulp
12. Vital and mortal treatment of dental pulp
13. Amputation of dental pulp – pulpotomy
15. Dental pulp extirpation – pulpectomy
16. Amputation pastes and root filling materials
17. Root canal instruments
18. Apical periodontitis – aetiology, classification
19. Acute apical periodontitis
20. Chronic apical periodontitis
21. Treatment principles of infected root canal
22. Mechanical treatment of infected root canal – importance and procedures
23. Chemical – medicamentous means used in treatment of root canals
24. One appointment root canal treatment
25. More appointments treatment of infected root canal
26. Root canal obturation – importance, requirements, procedures and methods
27. Complications by root canal treatment
28. Surgical methods in endodontics
29. Endodontic treatment of vital diseased dental pulp and infected root canals