Endodontics II – groups of the exam questions
(candidate is obliged to answer to one question from each group)

Group I

1. Analysis of endodontic treatment possibilities regarding pulp space anatomy and description of root canal
2. Preoperative assessment in endodontic therapy, indications and contraindications
3. Pulp space description and anatomy
4. Pulp space description and root canal system anatomy of incisors
5. Pulp space description and root canal system anatomy of premolars
6. Pulp space description and root canal system anatomy of molars
7. Infection control and sterilization in endodontics
8. Structure of the apical third of tooth and periapical tissue – significance in endodontic treatment
9. Irreversible pulpitis – methods of treatment
10. Apical periodontitis – classification, diagnostic procedures, clinical manifestation
11. Role and significance of the access cavity in endodontics
12. Access cavity preparation – incisors
13. Access cavity preparation – premolars

Group II

1. Instrumentation in endodontics – classification, standardization and application
2. Basic procedural steps in endodontic therapy
3. Biomechanical preparation of the root canal system
4. Preparation of the root canal system – instrumentation techniques
5. Stepback preparation technique
6. Crowndown preparation technique
7. Determination and significance of working length in endodontic treatment
8. Determination of working length in endodontic treatment – radiographic method
9. Determination of working length in endodontic treatment – electronic apex locators
10. Root canal irrigation - irrigant delivery devices
11. Intracanal medication – indications
12. Intracanal medication – antimicrobial agents, procedural steps
13. Chemicals in root canal preparation – indications and procedural steps
14. Methods of root canal filling
15. Root canal filling - lateral condensation technique

Group III

1. Diagnosis in endodontics – dental history and clinical examination
2. Clinical diagnosis of periapical inflammatory lesions
3. Chief complaint and pain symptoms of endodontic origin
4. Radiographic examination in endodontics
5. Biopulpotomy – indications and procedural steps
6. Biopulpectomy – indications and procedural steps
7. Necropulpotomy – indications and procedural steps
8. Necropulpectomy – indications and procedural steps
9. Root canal infection – treatment procedure
10. Acute (symptomatic) apical periodontitis – treatment procedure
11. Chronic (asymptomatic) apical periodontitis – treatment procedure
12. Emergency situations – diagnosis and treatment procedure
13. Endo-perio lesions – diagnosis and treatment procedure

Group IV
1. Complications during endodontic therapy
2. Iatrogenic errors in endodontic treatment
3. Reparative processes after endodontic therapy
4. Radiological evaluation of the endodontic treatment
5. Endodontic retreatment - causes, indications
6. Endodontic retreatment – procedural steps
7. Reconstruction of endodontically treated teeth without additional retention systems
8. Reconstruction of endodontically treated teeth with additional retention systems
9. Endodontic aspects of dental traumatic injuries – diagnosis and treatment procedure
10. Discoloration of endodontically treated teeth – causes
11. Discoloration of endodontically treated teeth – materials, techniques and bleaching mechanism of action
12. Special populations and endodontic therapy
13. Periradicular surgery implications
14. Endodontic treatment outcome