



ROC Examination Blueprint

1. Microbiology (6 questions)
 - a. Biological etiology of caries
 - b. Transmission of cariogenic bacteria
 - c. Periodontal disease
 - d. Normal and altered immunology
 - e. Critical appraisal of research and evidence
 - f. Infection control principles and regulations

2. Prevention and anticipatory guidance (7 questions)
 - a. Risk assessment of oral and systemic disease
 - b. Diet and nutrition
 - c. Fluorides
 - d. Remineralization
 - e. Sealants
 - f. Mouthguards
 - g. Tobacco/substance abuse

3. Craniofacial growth and developing dentition and occlusion (7 questions)
 - a. Anatomy and embryology
 - b. Craniofacial and somatic growth
 - c. Occlusal analysis
 - d. Cephalometric analyses
 - e. Oral habits
 - f. Space management
 - g. Embryological tooth development, dental development and tooth eruption

4. Restorative dentistry and oral rehabilitation (6 questions)
 - a. Dental materials
 - b. Oral surgery
 - c. Prosthetics
 - d. Esthetic dentistry
 - e. Restorative techniques

5. Oral diagnosis/oral pathology/oral medicine (7 questions)
 - a. Radiologic principles, radiologic diagnostics and radiation safety
 - b. Dental anomalies
 - c. Oral/perioral lesions/anomalies
 - d. Epidemiology and treatment of oral diseases
 - e. Adjunctive diagnostic tests
 - f. Temporomandibular function and disorders
 - g. Recognition and management of medical emergencies

6. Special health care needs (4 questions)
 - a. Congenital syndromes/diseases/disorders

- b. Acquired pediatric diseases/conditions
- c. Oral manifestations of congenital and acquired pediatric medical conditions
- d. Treatment approaches for the delivery of oral health care to patients with SHCN

7. Child development/behavior guidance (7 questions)

- a. Physiological/psychological/social milestones or stages in child development
- b. Principles of effective communication
- c. Anxiolysis and analgesia
- d. Non-pharmacological behavior guidance
- e. Pharmacologic behavior guidance

8. Pulp therapy/orofacial trauma (6 questions)

- a. Dentinal and pulpal tissue biology and pathology
- b. Pulpal assessment, diagnosis and therapy
- c. Evaluation, diagnosis and treatment of orofacial trauma
- d. Evaluation, diagnosis, diagnosis and treatment of soft tissue injuries
- e. Child abuse and neglect