EBAA EXAM CONTENT OUTLINE

I. ANATOMY AND PHYSIOLOGY (12%)
   A. Ocular
      i. General Characteristics
         1. Anatomy of the eye
         2. Function
         3. Conditions of the eye
      ii. Refractive Power of the Eye
         1. Refractive Properties
         2. Refractive Errors
      iii. Accommodation
      iv. Other
   B. Cornea
      i. General Characteristics
      ii. Corneal Layers:
         1. Epithelium
         2. Bowman’s Membrane
         3. Stroma
         4. Descemet Membrane
         5. Endothelium
      iii. Metabolic Functions
      iv. State of Hydration
      v. Factors Affecting Transparency
         1. Rejection
         2. Edema
         3. Other

II. QUALITY ASSURANCE AND CONTROL (24%)
   A. Professional Standards
      i. Accreditation
      ii. Certification
      iii. Personnel
      iv. Reporting Requirements
   B. Legislation and Regulatory Requirements
      i. FDA Registration
      ii. FDA Donor Eligibility Rule
      iii. FDA Good Tissue Practices
      iv. FDA Guidance for Industry
      v. CMS Conditions of Participation (CoP)
   C. Facilities
      i. Instrument Inspection, Cleaning, and Handling
      ii. Refrigeration and Temperature Recording
      iii. Sterilization Methods
      iv. Other
   D. Infection Control and Personnel Safety
      i. Aseptic Technique
      ii. Standard Precautions
      iii. Communicable Diseases
      iv. Environmental monitoring
   E. Quality Assurance
      i. Auditing
      ii. Microbiology
         1. Organisms
         2. Cultures
            a. Requirements
            b. Reporting
            c. Environmental control
      iii. Record Keeping and Documentation
      iv. Adverse Reaction Reports
      v. Recalls and Withdrawals
      vi. Other
   F. Other
III. DONOR-RELATED ISSUES (20%)
   A. Authorization
      i. Required Request Law (42 U.S.C.A. § 1320b–8)
      ii. Uniform Anatomical Gift Act
      iii. Informed Consent Procedures and Documentation
   B. Donor History, Screening, and Evaluation
      i. Donor Risk Assessment Interview (DRAI)
      ii. Serology Testing
         1. Blood sample qualification
         2. EBAA Required Tests
         3. FDA Required Tests
      iii. Determination of Donor Eligibility for Transplant
         1. EBAA Contraindications
         2. FDA Contraindications
         3. Known Transmissible Diseases
            a. Rabies
            b. Infection
            c. Hepatitis B
            d. Melanoma
            e. Transmissible Spongiform Encephalopathies
            f. Other

IV. TECHNICAL PROCEDURES (24%)
   A. Preparatory Procedures
      i. Donor
         1. Blood Drawing Procedures
         2. Physical Inspection
         3. Ocular Area Prep
         4. Sterile Field Setup
      ii. Open-container processing
         1. Laminar flow hood vs. ‘clean’ room
         2. Sterile Field Setup
   B. Whole Eye Enucleations
      i. Equipment, Supplies, and Reagents
      ii. Procedure
   C. Corneal Excisions
      i. Equipment, Supplies, and Reagents
         1. Flow hood excision
         2. In-situ
      ii. Procedure
         1. Flow hood excision
         2. In-situ
   D. Scleral Preservation
      i. Equipment, Supplies, and Reagents
      ii. Procedure
   E. Tissue Processing
      i. Equipment, Supplies, and Reagents
      ii. Procedure

V. TISSUE-RELATED PROCEDURES (20%)
   A. Tissue Evaluation and Determination of Suitability
      i. Slit Lamp Biomicroscopy
         1. Procedure
      ii. Surgical Suitability
      iii. Other
   B. Surgical Procedures
      i. Penetrating Keratoplasty
      ii. Lamellar Keratoplasty
         1. Anterior
         2. Posterior
      iii. Patch Graft
      iv. Refractive Keratoplasty
      v. Trabeculectomy
      vi. Sclera Use
      vii. Keratolimbal Allograft
      viii. Other
   C. Storage and Distribution of Tissue
      i. Storage
      ii. Labeling
         1. ISBT 128
      iii. Packaging
      iv. Accompanying Documentation Requirements
      v. Distribution of Tissue
      vi. Other
   D. Use of Tissue in Research and Education