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 Current 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. Authorization Procedures and Documentation

B. Donor History, Screening, and Evaluation
   i. Donor Risk Assessment Interview (DRAI)
      a. Blood sample qualification
      b. Blood sample requirement
      c. FDA required tests
   ii. Determination of Donor Eligibility for Transplant
      a. EBAA Contraindications
      b. FDA Contraindications
      c. 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 excision
   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
      2. Surgical Suitability
   ii. Specular Microscopy
      1. Procedure
      2. 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