Paper II: Technical Subject

1) General Principles of Trauma
   a) Polytrauma, Mass casualty, Disaster management
   b) Metabolic Response to trauma
   c) Blood transfusion and its products
   d) Fluid and Electrolyte balance
   e) Shock
   f) Nutritional support in surgical patient
   g) Wounds and Fracture healing

2) Fractures and Joint Injuries
   a) Principle of fracture, types grades, complication and its management
   b) Compartment syndrome, VIC and its management
   c) Infected Nonunion
   d) Reflex sympathetic dystrophy/ Fracture diseases.
   e) Fracture of lower extremity
   f) Fracture of hip and pelvis
   g) Fracture of upper extremity and shoulder
   h) Spinal injury
   i) Dislocation and Subluxation of joints
   j) Traumatic disorders of joints, knee, shoulder, wrist and hands
   k) Hand injury
   l) Fracture and dislocations in children

3) Operative Surgery
   a) Arthrodesis
      i) Arthrodesis of lower extremities and Hip
      ii) Arthrodesis of upper extremities
      iii) Arthrodesis of spine
   b) Arthroplasty
      i) Arthroplasty of Hip
      ii) Arthroplasty of Knee
   c) Arthroscopy
      i) Arthroscopy of Knee
      ii) Arthroscopy of shoulder
   d) Spinal Surgery
      i) Surgery for Spinal Trauma
      ii) Surgery for Spinal infection e.g. T.B.
      iii) Anterior and posterior instrumentation of spine
      iv) Other Procedures described in Campbell's Operative Surgery
4) Research Related
   a) Types of study
   b) Sampling techniques and types
   c) Probability and its test
   d) Medical Statistics
   e) Evidence Based Medicine
   f) Data presentation and analysis