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Paper II

Part I: General Subject

1. General Orthopaedics
 - 1.1. Diagnosis in Orthopaedics
 - 1.2. Infections
 - 1.3. Rheumatic disorders
 - 1.4. Osteoarthritis and related disorders
 - 1.5. Osteonecrosis and Osteochondritis
 - 1.6. Metabolic and Endocrine disorders
 - 1.7. Genetic disorders, dysplasia and malformations
 - 1.8. Tumors
 - 1.9. Neuromuscular disorders
 - 1.10. Peripheral Nerve Injury
2. Regional Orthopaedics
 - 2.1. The shoulder
 - 2.2. Elbow
 - 2.3. Hand
 - 2.4. Neck
 - 2.5. Back
 - 2.6. Hip
 - 2.7. Knee
 - 2.8. Ankle and foot

Part II: Technical Subject

- 1) Part a – 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) Arthodesis
 - i) Arthodesis of lower extremities and Hip
 - ii) Arthodesis of upper extremities
 - iii) Arthodesis 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) Part D – 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

Part D or Submission of the published research article in an indexed journal - One