

M.S. DEGREE EXAMINATION
BRANCH II – ORTHOPAEDIC SURGERY
PAPER I – APPLIED BASIC SCIENCES IN ORTHOPAEDIC SURGERY

Q.P. Code: 222219

Time: Three Hours

Maximum: 100 Marks

Write notes on:

- I. ANATOMY** (4 x 5 = 20)
1. Tensor fascia lata
 2. Scarpa's triangle
 3. Blood supply of spinal cord
 4. Carpal tunnel
- II. PHYSIOLOGY** (4 x 5 = 20)
1. Strength duration curve
 2. Physiology of shock
 3. Autonomic bladder
 4. Bone mineral density
- III. BIOCHEMISTRY** (3 x 5 = 15)
1. ASO titre
 2. Hydroxyapatite
 3. Uric acid metabolism
- IV. PHARMACOLOGY** (3 x 5 = 15)
1. Biological therapy in rheumatoid arthritis
 2. Platelet rich plasma
 3. Anti tubercular drugs
- V. MICROBIOLOGY** (3 x 5 = 15)
1. Clostridium tetani
 2. Immunoglobulins
 3. Sterilisation of metallic and nonmetallic implants
- VI. PATHOLOGY** (3 x 5 = 15)
1. Fat embolism
 2. Bone biopsy
 3. Paget's disease