

[LS 212]

NOVEMBER 2020
(OCTOBER 2020 SESSION)
M.S. DEGREE EXAMINATION

Sub. Code: 2219

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. Scaphoid
 2. Petit's triangle
 3. Blood supply of femoral head in adults
 4. Rotator cuff
- II. PHYSIOLOGY** (4 x 5 = 20)
1. Gate theory of pain
 2. Physiology of wound healing
 3. Neuropraxia
 4. Neurogenic bladder
- III. BIOCHEMISTRY** (3 x 5 = 15)
1. CPK
 2. Glucosamine sulphate
 3. Calcitonin
- IV. PHARMACOLOGY** (3 x 5 = 15)
1. Viscosupplementation
 2. Pain management in Arthroplasty
 3. Synthetic bone substitutes
- V. MICROBIOLOGY** (3 x 5 = 15)
1. Pseudomonas infection
 2. Universal precaution
 3. HIV
- VI. PATHOLOGY** (3 x 5 = 15)
1. Psoas abscess
 2. Heterotopic Ossification
 3. Chondrosarcoma
