

(LM 212)

MAY 2018

Sub. Code: 2219

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. Rotator cuff muscles.
2. Proximal end of femur.
3. Meniscus.
4. Common peroneal nerve.

II. Physiology

(4 x 5 = 20)

1. Wolff's law.
2. Bone growth factors.
3. Tourniquet.
4. Gait phases and trendelenburg gait.

III. Biochemistry

(3 x 5 = 15)

1. Total parenteral nutrition.
2. Serum Alkaline Phosphatase.
3. Collagen.

IV. Pharmacology

(3 x 5 = 15)

1. Anti Tubercular drugs.
2. Methotrexate.
3. Opioid analgesia.

V. Microbiology

(3 x 5 = 15)

1. Clostridium tetani.
2. Reverse Transcriptase Polymerase Chain Reaction.
3. Cytokines.

VI. Pathology

(3 x 5 = 15)

1. Nosocomial infection.
2. Tubercle.
3. Heterotrophic ossification.
