

**Passed by Academic Council (Resolution No. 355/2006) dtd. 30/05/2006,  
subject to Uniformity in the Examination pattern.**

**MAHARASHTRA UNIVERSITY OF HEALTH  
SCIENCES, NASHIK**

**SYLLABUS FOR DIPLOMA IN ORTHOPAEDICS**

## Provisional Syllabus for Diploma in Orthopaedics

- 1) Basic Sciences related to Locomotor System
  - i) Histology of bone, cartilage, muscles, collagen, Nerves
  - ii) Physiology of bone, cartilage, muscles, collagen and Nerves
- 2) Surgical Pathology related to Bones, cartilage, Muscle, collagen and Nerves in various. Congenital affection, infections, Tumours and tumours conditions a metabolic affection.
- 3) General principles of surgery and Traumatology
  - i) Wound healing
  - ii) Fracture healing
  - iii) Rehabilitation after bone and joint injury
  - iv) Systemic response to injury
  - v) Fracture and dislocation in all bones its management including complications.
  - vi) Injury to chest, abdomen and head
  - vii) Polytrauma
  - viii) Fractures in children
- 4) Orthopaedics diseases
  - i) Metabolic Bone Disease
  - ii) Bone infections – Acute and chronic
  - iii) Congenital and development Deformities
    - upper extremity
    - Lower extremity
    - Spine
    - General defects
  - iv) Disease of joints
  - v) Tumours of Bones
  - vi) Orthopaedics Neurology – Spina bifida, Polio, Cerebral Palsy
  - vii) Disease of muscles, nerves, vessels and fibrous tissues
  - viii) Regional Orthopaedics related to spine, shoulder
  - ix) Elbow, wrist, hip, knee, ankle and foot.
  - x) Special Subjects
    - Orthopaedics Radiology
    - Amputation
    - Physiotherapy
    - ALTS
    - First Aid

### Examination Scheme for D. (Ortho)

*(As per Direction No. 01/2008 dtd. 26/05/2008)*