

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1981

M.Ch. – PAEDIATRIC ORTHOPAEDICS

PAPER I – BASIC SCIENCE

Q.P. Code: 181981

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe in detail the types of stages of fracture healing and the effects of medications on fracture healing.
2. Describe the clinical features, radiological manifestations and treatment of the various types of Mucopolysaccharidosis.

II. Write notes on:

(10 x 7 = 70)

1. Sprengel deformity.
2. McCune – Albright syndrome.
3. Injury grading systems for peripheral nerve injury.
4. Anti-resorptive drugs in osteoporosis.
5. Diagnostic criteria for achondroplasia.
6. Longitudinal limb deficiencies.
7. Pathogenesis of syndactyly.
8. Osteopetrosis.
9. Vascular Endothelial Growth Factor (VEGF).
10. Calcitriol.
