

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1984

M.Ch. – PAEDIATRIC ORTHOPAEDICS

PAPER IV – RECENT ADVANCES IN PAEDIATRIC ORTHOPAEDICS

Q.P. Code: 181984

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the signaling pathways and management of septic shock in children.
2. Describe the etiology, pathology, classification, clinical features and management of Osteosarcoma.

II. Write notes on:

(10 x 7 = 70)

1. Anti-cytokine agents.
2. Non-ossifying fibroma.
3. IHDI classification.
4. Alpha angle of Notzli.
5. Immunohistochemical markers in Musculoskeletal tumors.
6. Tendo-achilles lengthening.
7. Modified Dunn procedure.
8. Radio-frequency ablation in bone tumours.
9. Klippel Trenaunay Weber syndrome.
10. Pamidronate.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1984

M.Ch. – PAEDIATRIC ORTHOPAEDICS

PAPER IV – RECENT ADVANCES IN PAEDIATRIC ORTHOPAEDICS

Q.P. Code: 181984

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss Canadell's technique of epiphyseal distraction and its application.
2. Describe Distraction Osteogenesis with intramedullary lengthening devices.

II. Write notes on:

(10 x 7 = 70)

1. Medial humeral epicondyle fracture.
2. Trochlear dysplasia.
3. Fluro-2-deoxy-glucose (FDG).
4. Highly selective neurectomy.
5. Hip surveillance in cerebral palsy.
6. Spondylolisthesis in children.
7. Flexor-pronator slide.
8. Complex Regional pain syndrome.
9. Pterygium syndrome.
10. Spondylo-epiphyseal dysplasia.
