**Paper-B (MSK)**

|  |  |  |
| --- | --- | --- |
| **Subject**  | **No. of MCQs** | **Topics from where Qs to be made** |
| Gross Anatomy | **71** | 1. Introduction to MSK
2. Introduction to locomotion and upper limb
3. Osteology of clavicle
4. Osteology of scapula
5. Osteology of humerus
6. Muscles of the pectoral girdle
7. Muscles of the shoulder region
8. The shoulder joint & its movements
9. Brachial plexus
10. Nerves of upper limb
11. Axilla
12. Arm
13. Brachial vessels
14. Elbow joint
15. Osteology of ulna
16. Superficial veins, lymphatic’s and lymph nodes of upper limb
17. Cubital fossa
18. Anterior compartment of forearm
19. Posterior compartment of forearm
20. Blood vessels & nerves of the forearm
21. Radio-ulnar joint
22. Surface anatomy of upper limb
23. Osteology of radius & hand
24. Muscles of hand
25. Vessels & nerves of the hand
26. Wrist joint
27. Spaces of the palm
28. Introduction to lower limb
29. Hip bone
30. The hip joint and movements
31. Gluteal region
32. Femur
33. Nerves of lower limb and their injuries
34. Superficial vessels and lymphatic’s of lower limb
35. Deep fascia of thigh, iliotibialtract and superficial vessels
36. Muscles of the anterior fascial compartment of thigh
37. Nerves and vessels of anterior compartment of thigh
38. The medial compartment of thigh
39. Posterior compartment of thigh
40. Popliteal fossa
41. Femoral triangle and its contents
42. Tibia bone
43. Fibula & bones of foot
44. Anterior and lateral compartment of leg
45. Posterior compartment of Leg
46. Knee joint
47. Surface anatomy of lower limb
48. Muscles and neurovascular supply of the foot
49. Arches of foot
50. Typical spinal nerve
51. Vertebral column
52. Lumbo sacral plexus, cutaneous nerves
 |
| Histology | **8** | 1. Bone histology
2. Classification & histology of Cartilage
3. Histology of cartilage
4. Classification & histology of bone
5. Histology of bone
6. Histology of muscles
 |
| Embryology | **4** | 1. Somitogenesis
2. Development of bone, cartilage and joints
3. Development of upper limb
4. Development of muscles
5. Development of lower limb
 |
| Physiology | **16** | 1. Skeletal vs smooth muscle
2. Mechanism of muscle Contraction
3. Energetics of muscle contraction
4. Terms related to MSK
5. Important terms
6. Excitation contraction coupling in skeletal muscles
7. Muscle action potential
8. Excitation contraction coupling
9. Physiologic anatomy of the skeletal muscle fiber
10. Characteristics of whole muscle contraction
11. Neuromuscular junction
12. Neuromuscular Transmission
13. Neuromuscular drugs
14. Myasthenia gravis
15. Smooth muscle
16. Skeletal Muscle fiber
17. Contraction of smooth muscle
18. Nervous and hormonal control of smooth muscle contraction
19. Resting Membrane Potential
20. Muscle Remodeling
21. Membrane potentials and action potentials in smooth muscles
22. Control of smooth muscle contraction
23. Smooth muscle and skeletal muscle contraction
24. Skeletal muscle contraction
 |
| Biochemistry | **16** | Chemistry of:1. Amino acids
2. Proteins
3. Fat soluble vitamins
4. Minerals (All)
 |
| Pathology  | **2** | 1. Introduction to Bone pathology
 |
| Pharmacology  | **1** | 1. Drug used in MSK
 |
| Community medicine | **1** | 1. Back pain |
| PRIME | **1** | 1. Literature Review (Background, keywords)
2. Research:Title, Rationale, Purpose
 |
| Total  | **120** |  |