**Paper-B (MSK)**

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| **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** |  |