

## Paper-B (MSK)

Subject	No. of MCQs	Topics from where Qs to be made
Gross Anatomy	<b>71</b>	<ol style="list-style-type: none"> <li>1. Introduction to MSK</li> <li>2. Introduction to locomotion and upper limb</li> <li>3. Osteology of clavicle</li> <li>4. Osteology of scapula</li> <li>5. Osteology of humerus</li> <li>6. Muscles of the pectoral girdle</li> <li>7. Muscles of the shoulder region</li> <li>8. The shoulder joint &amp; its movements</li> <li>9. Brachial plexus</li> <li>10. Nerves of upper limb</li> <li>11. Axilla</li> <li>12. Arm</li> <li>13. Brachial vessels</li> <li>14. Elbow joint</li> <li>15. Osteology of ulna</li> <li>16. Superficial veins, lymphatic's and lymph nodes of upper limb</li> <li>17. Cubital fossa</li> <li>18. Anterior compartment of forearm</li> <li>19. Posterior compartment of forearm</li> <li>20. Blood vessels &amp; nerves of the forearm</li> <li>21. Radio-ulnar joint</li> <li>22. Surface anatomy of upper limb</li> <li>23. Osteology of radius &amp; hand</li> <li>24. Muscles of hand</li> <li>25. Vessels &amp; nerves of the hand</li> <li>26. Wrist joint</li> <li>27. Spaces of the palm</li> <li>28. Introduction to lower limb</li> <li>29. Hip bone</li> <li>30. The hip joint and movements</li> <li>31. Gluteal region</li> <li>32. Femur</li> <li>33. Nerves of lower limb and their injuries</li> <li>34. Superficial vessels and lymphatic's of lower limb</li> <li>35. Deep fascia of thigh, iliotibialtract and superficial vessels</li> <li>36. Muscles of the anterior fascial compartment of thigh</li> <li>37. Nerves and vessels of anterior compartment of thigh</li> <li>38. The medial compartment of thigh</li> <li>39. Posterior compartment of thigh</li> <li>40. Popliteal fossa</li> <li>41. Femoral triangle and its contents</li> <li>42. Tibia bone</li> <li>43. Fibula &amp; bones of foot</li> <li>44. Anterior and lateral compartment of leg</li> <li>45. Posterior compartment of Leg</li> <li>46. Knee joint</li> <li>47. Surface anatomy of lower limb</li> <li>48. Muscles and neurovascular supply of the foot</li> <li>49. Arches of foot</li> <li>50. Typical spinal nerve</li> <li>51. Vertebral column</li> <li>52. Lumbo sacral plexus, cutaneous nerves</li> </ol>
Histology	<b>8</b>	<ol style="list-style-type: none"> <li>1. Bone histology</li> <li>2. Classification &amp; histology of Cartilage</li> <li>3. Histology of cartilage</li> </ol>

		<ol style="list-style-type: none"> <li>4. Classification &amp; histology of bone</li> <li>5. Histology of bone</li> <li>6. Histology of muscles</li> </ol>
Embryology	<b>4</b>	<ol style="list-style-type: none"> <li>1. Somitogenesis</li> <li>2. Development of bone, cartilage and joints</li> <li>3. Development of upper limb</li> <li>4. Development of muscles</li> <li>5. Development of lower limb</li> </ol>
Physiology	<b>16</b>	<ol style="list-style-type: none"> <li>1. Skeletal vs smooth muscle</li> <li>2. Mechanism of muscle Contraction</li> <li>3. Energetics of muscle contraction</li> <li>4. Terms related to MSK</li> <li>5. Important terms</li> <li>6. Excitation contraction coupling in skeletal muscles</li> <li>7. Muscle action potential</li> <li>8. Excitation contraction coupling</li> <li>9. Physiologic anatomy of the skeletal muscle fiber</li> <li>10. Characteristics of whole muscle contraction</li> <li>11. Neuromuscular junction</li> <li>12. Neuromuscular Transmission</li> <li>13. Neuromuscular drugs</li> <li>14. Myasthenia gravis</li> <li>15. Smooth muscle</li> <li>16. Skeletal Muscle fiber</li> <li>17. Contraction of smooth muscle</li> <li>18. Nervous and hormonal control of smooth muscle contraction</li> <li>19. Resting Membrane Potential</li> <li>20. Muscle Remodeling</li> <li>21. Membrane potentials and action potentials in smooth muscles</li> <li>22. Control of smooth muscle contraction</li> <li>23. Smooth muscle and skeletal muscle contraction</li> <li>24. Skeletal muscle contraction</li> </ol>
Biochemistry	<b>16</b>	<p>Chemistry of:</p> <ol style="list-style-type: none"> <li>1. Amino acids</li> <li>2. Proteins</li> <li>3. Fat soluble vitamins</li> <li>4. Minerals (All)</li> </ol>
Pathology	<b>2</b>	<ol style="list-style-type: none"> <li>1. Introduction to Bone pathology</li> </ol>
Pharmacology	<b>1</b>	<ol style="list-style-type: none"> <li>1. Drug used in MSK</li> </ol>
Community medicine	<b>1</b>	<ol style="list-style-type: none"> <li>1. Back pain</li> </ol>
PRIME	<b>1</b>	<ol style="list-style-type: none"> <li>1. Literature Review (Background, keywords)</li> <li>2. Research: Title, Rationale, Purpose</li> </ol>
<b>Total</b>	<b>120</b>	