

## LOWER LIMB MCQ

Which of the following muscle has dual nerve supply:

- a) Rectus femoris
- b) Sartorius
- c) Pectineus
- d) Adductor longus
- e) Vastus lateralis

**1. Iliotibial tract is inserted on:**

- a) Lower roughened part of tibial tuberosity
- b) Upper smooth part of tibial tuberosity
- c) Medial condyl of tibia
- d) Lateral condyl of tibia
- e) Upper part of medial surface of tibia

**2. Profunda femoral artery is normally the vessel of supply:**

- a) To the posterior muscles of thigh
- b) To the anterior muscles of thigh
- c) To the medial muscles of thigh
- d) To the lateral muscles of thigh
- e) To all the muscles of thigh

**3. The femoral nerve is formed by the posterior division of the anterior rami of:**

- a) L2, L3, L4
- b) L3, L4, L5
- c) L1, L2, L3
- d) L4, L5
- e) L4, L5, S1

**4. Which of the following artery is most commonly used to record blood pressure in lower limb:**

- a) Femoral artery
- b) Dorsalis pedis artery
- c) Popliteal artery
- d) Anterior tibial artery
- e) Posterior tibial artery

**5. Which one of the following muscle is inserted into adductor tubercle of femur:**

- a) Adductor brevis
- b) Adductor longus



Download

- c) Biceps femoris
- d) Adductor magnus
- e) Psoas major

**6. The obturator nerve innervates:**

- a) Obturator externus
- b) Popliteus
- c) Quadriceps femoris
- d) Sartorius
- e) Semitendinosus

**7. A 62 year old woman slips and falls on the bathroom floor. As a result she has a posterior dislocation of hip joint and fracture of neck of femur. Rupture of ligament teres may lead to damage to a branch of which of the following arteries:**

- a) Medial circumflex femoral
- b) Lateral circumflex femoral
- c) Obturator
- d) Superior gluteal
- e) Inferior gluteal

**8. A 20-year-old college student receives a severe blow on the inferolateral side of the left knee joint while playing football. Radiographic examination reveals a fracture of the head and neck of the fibula. Which of the following nerves is damaged:**

- a) Sciatic
- b) Tibial
- c) Common peroneal
- d) Deep peroneal
- e) Superficial peroneal

**10 The muscle that unlocks the knee joint is?**

- a) Quadriceps femoris
- b) Popliteus
- c) Gastrocnemius
- d) Plantaris
- e) Biceps femoris

**11. An orthopedic surgeon ligates the posterior tibial artery at its origin. Which of the following arteries has no blood flow immediately after the ligation:**

- a) Peroneal
- b) Dorsalis pedis
- c) Superior medial genicular



Download

- d) Anterior tibial
- e) Descending genicular artery

**12. A 45-year-old man has trouble walking. At his physician's clinic, when he is asked to stand on his right foot, his left hip drops. Which of the following nerves is most likely damaged, causing his problem:**

- a) Left inferior gluteal
- b) Right inferior gluteal
- c) Left superior gluteal
- d) Right superior gluteal
- e) none of the above

**13. Which of the following originates at the ischeal spine?**

- a) Piriformis
- b) Gemellus superior
- c) Quadratus femoris
- d) Gemellus inferior
- e) None of the above

**14. Hip fractures, especially in the elderly, often do not heal adequately. What type of femoral fracture in adults is most likely to result in avascular necrosis of the femoral head:**

- a) Acetabular
- b) Cervical (neck)
- c) Intertrochanteric (between the trochanters)
- d) Subtrochanteric
- e) Midfemoral shaft

**15. A patient experienced a prolonged stay in one position during a recent surgery and postoperative recovery that resulted in compression of the common fibular (peroneal) nerve against the fibular head. Which of the following motor deficits would be most likely to occur:**

- a) Loss of extension at the knee
- b) Loss of plantar flexion
- c) Loss of flexion at the knee
- d) Loss of eversion
- e) Loss of medial rotation of the tibia

**16 Housemaid's knee is associated with the inflammation of which of the following bursae?**

- a) Suprapatellar
- b) Subcutaneous infrapatellar
- c) Prepatellar



Download

- d) Deep infrapatellar
- e) None of the above

**17 A 72-year-old female suffered a hip dislocation when she fell down the steps to her garage. Which of the following structures is most significant in resisting hyperextension of the hip joint:**

- a) Pubofemoral ligament
- b) Ischiofemoral ligament
- c) Iliofemoral ligament
- d) Negative pressure in the acetabular fossa
- e) Gluteus maximus muscle

**18 Intramuscular injection is given in following quadrant of gluteal region:**

- a) Upper lateral
- b) Upper medial
- c) Lower medial
- d) Lower lateral
- e) Midline

**19 A 77-year-old woman has difficulty climbing stairs because of weakness in her limb. Her knee jerk reflex is normal and she is able to stand on her heels and on the "balls" of her feet. Injury to which of the following nerves is the most likely cause of these findings:**

- a) Tibial
- b) Obturator
- c) Inferior gluteal
- d) Femoral
- e) Common peroneal

**20 What type of joint is hip joint:**

- a) Ball & socket joint
- b) Hinge joint
- c) Pivot joint
- d) Ellipsoid joint
- e) Saddle joint

**21 The sacral plexus is composed of:**

- a) The anterior rami of spinal nerves L2-S1
- b) The anterior rami of spinal nerves L4-S4
- c) The posterior rami of spinal nerves L4-S4
- d) The posterior rami of spinal nerves L2-S1
- e) None of the above



Download

**22 Where does the sciatic nerve pass through into the lower limb?**

- a) The lesser sciatic notch
- b) The obturator foramen
- c) The greater sciatic notch superior to piriformis
- d) The greater sciatic notch inferior to piriformis
- e) None of the above

**23 The ischiofemoral ligament limits:**

- a) Abduction
- b) Medial rotation
- c) Lateral rotation
- d) Adduction
- e) None of the above

**24 Which one of the following vein of lower limb is used for venous cut down?**

- a) Femoral vein
- b) Perforating vein
- c) Popliteal vein
- d) Great saphenous vein
- e) Short saphenous vein

**25 Ankle joint is synovial joint of which one of following variety?**

- a) Plane variety
- b) Ball and socket variety
- c) Hinge variety
- d) Pivot variety
- e) Condylod variety



Download