

VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL  
COLLEGE & HOSPITAL, SALEM  
I MBBS (2018-19)  
II INTERNAL ASSESSMENT EXAMINATION  
LOWER LIMB

Date: 26.11.2018    Maximum: Time: 10.30 am-12.30 pm    Maximum: 50 marks  
(Ten minutes) Sec. A: 10 marks  
(One hour and Twenty minutes) Sec. B: 40 marks


Answer **ALL** questions  
Answer Section A in the MCQ Answer Sheet  
Answer Section B in the Main Answer Sheets

**SECTION - A**

**I. MULTIPLE CHOICE QUESTIONS (10X1=10 marks)**

**\*NOTE: Select the most appropriate answer and write the alphabet corresponding to the most appropriate answer in the answer sheet provided.**

1. The following muscle forms the floor of femoral triangle:  
A. Adductor longus  
B. Adductor magnus  
C. Vastus medialis  
D. Sartorius
2. Damage to femoral nerve would cause paralysis of:  
A. Semitendinosus  
B. Sartorius  
C. Gluteus medius  
D. Gracilis
3. The great saphenous vein is accompanied by the following nerve:  
A. Saphenous  
B. Sural  
C. Superficial peroneal  
D. Sciatic
4. The following vessels pass through the adductor hiatus:  
A. Internal pudendal  
B. Superior gluteal  
C. Inferior gluteal  
D. Femoral

  
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5. The peroneus tertius is supplied by the following nerve:
  - A. Femoral
  - B. Obturator
  - C. Deep peroneal
  - D. Superficial peroneal
  
6. The paralysis of muscles in the posterior compartment of leg causes loss of the following movement of the foot:
  - A. Dorsiflexion
  - B. Plantar flexion
  - C. Adduction
  - D. Abduction
  
7. The following is the direct continuation of the anterior tibial artery:
  - A. Dorsalis pedis
  - B. Lateral plantar
  - C. Medial plantar
  - D. Peroneal
  
8. The Superficial inguinal lymph nodes drain all of the following except:
  - A. Back below umbilicus
  - B. Heel
  - C. Scrotum
  - D. Anal canal
  
9. The chief extensor(s) of the knee joint is/are:
  - A. Hamstring muscles
  - B. Gluteus maximus
  - C. Quadriceps femoris
  - D. Sartorius
  
10. The fibular collateral ligament is the degenerated tendon of the following muscle:
  - A. Adductor magnus
  - B. Peroneus longus
  - C. Biceps femoris
  - D. Semimembranosus

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## SECTION - B

### II. WRITE ESSAY ON: (1X15 =15 marks)

1. Describe the arches of the foot in detail including the types, bones forming, supports, function and applied anatomy. (2+4+5+2+2=15)

### III. WRITE SHORT NOTES ON: (3X5 = 15 marks)

2. Femoral sheath.
3. Locking and unlocking of knee joint.
4. Gluteus maximus and structures deep to it.

### IV. ANSWER BRIEFLY ON: (5X2=10 marks)

5. Name the muscles supplied by the obturator nerve.
6. What are varicose veins? Mention their cause.
7. Mention the branches of popliteal artery.
8. Name the guy rope muscles. Mention their nerve supply.
9. Which nerve is affected in sleeping foot? What is its root value?

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