

**PERIPHERAL VASCULAR SURGERY**

PAPER-II

PVS/D/18/33/II

Time: 3 hours  
Max. Marks:100

**Important Instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

- a) Discuss the etiology and Shionoya criteria for diagnosis of Thromboangiitis Obliterans (TOA). 5+5
  - b) Management options of a 40-year-old patient diagnosed to have TAO with ischemic ulcer on the left big toe.
- a) Discuss various zones of retroperitoneum with regards to trauma. 4+6
  - b) Discuss the management of zone I hematoma.
- A 67-year-old smoker presents with dry gangrene of the tips of left 4<sup>th</sup> and 5<sup>th</sup> fingers associated with rest pain. CT angiogram shows 90% stenosis of the 1<sup>st</sup> part of left subclavian artery with involvement of ostia. 3+4+3

  - a) Enumerate various treatment options.
  - b) What are the steps and precautions in endovascular management?
  - c) Which stent will you use and why?
- a) Indication and optimal timing for arterio-venous venous fistula (AVF) creation. 2+3+5
  - b) One stage Vs two stage brachio-basilic AVF.
  - c) Management of steal syndrome.
- A 48-year-old male presents with a non-healing venous ulcer of the left leg. Venous duplex shows no evidence of previous deep vein thrombosis, deep venous reflux in the femoral and popliteal veins with incompetent sapheno-femoral junction. 3+3+4

  - a) List the management protocol for this patient.
  - b) What are the compression points in May-Thurner syndrome (MTS)?
  - c) Endovascular management of MTS. P.T.O.

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6. a) EVAR in women. 5+5  
b) Stent grafts.
7. Discuss the following with regards to Venous Thrombo-embolism (VTE): 4+6  
a) Effectiveness of graduated compression stocking for prevention of DVT.  
b) Thrombo-prophylaxis in malignancy.
8. a) A 77-year-old male presents with a 6cm aneurysm in the right groin. He had undergone EVAR 1 year ago. Discuss the management. 7+3  
b) Discuss Vascular closure devices.
9. a) Primary lymphedema. 5+5  
b) Lateral marginal vein.
10. A 37-year-old female presents with a slow growing swelling in the right carotid triangle of the neck. 2+5+3  
a) Enumerate the differential diagnosis.  
b) Discuss the clinical features and investigation for carotid body tumor.  
c) Describe the strategies to improve exposure during surgery for carotid body tumor.

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