

**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:**

- Discuss the etiology and Shionoya criteria for diagnosis of Thromboangiitis Obliterans (TOA). 5+5
  - Management options of a 40-year-old patient diagnosed to have TAO with ischemic ulcer on the left big toe.
- Discuss various zones of retroperitoneum with regards to trauma. 4+6
  - 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
  - Enumerate various treatment options.
  - What are the steps and precautions in endovascular management?
  - Which stent will you use and why?
- Indication and optimal timing for arterio-venous venous fistula (AVF) creation. 2+3+5
  - One stage Vs two stage brachio-basilic AVF.
  - 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
  - List the management protocol for this patient.
  - What are the compression points in May-Thurner syndrome (MTS)?
  - Endovascular management of MTS. P.T.O.

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

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