

PERIPHERAL VASCULAR SURGERY**PAPER – III**

Time : 3 hours

PVS /D/17/33/III

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:

1. Gene therapy in vascular diseases. 10
2. Recent trials in endovascular management of Claudicants with femoropopliteal arterial disease. 10
3. EINSTEIN trials and their results. 10
4. Recent approach to acute ischemic stroke. 10
5. Compare the various endovenous ablative procedures and their mechanism of action. 10
6. Principles of various mechanical atherectomy devices and their usage in arterial and venous diseases. 10
7. a. Current guidelines regarding indications for invasive management of carotid artery disease. 5+5
b. Enumerate the indications for using shunts and patches during carotid surgery.
8. a. Enumerate the factors which affect wound healing 6+4
b. Role of recombinant growth factors in wound dressings and their systemic effects.
9. Present status of Robotics in vascular surgery. 10
10. a. Clinical trials in using stem cell therapy and acute limb ischemia 6+4
b. Role of hyper baric oxygen therapy (HBOT) in vascular diseases.