

**PERIPHERAL VASCULAR SURGERY**

**PAPER – III**

Time : 3 hours  
Max. Marks : 100

PVS /D/17/33/III

**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.<br>b. Enumerate the indications for using shunts and patches during carotid surgery. | 5+5 |
| 8.  | a. Enumerate the factors which affect wound healing<br>b. Role of recombinant growth factors in wound dressings and their systemic effects.   | 6+4 |
| 9.  | Present status of Robotics in vascular surgery.   | 10  |
| 10. | a. Clinical trials in using stem cell therapy and acute limb ischemia<br>b. Role of hyper baric oxygen therapy (HBOT) in vascular diseases.   | 6+4 |