

PERIPHERAL VASCULAR SURGERY

PAPER – I

Time : 3 hours
Max. Marks : 100

PVS/D/17/33/I

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:

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|-----|---|-------|
| 1. | a. Anatomy of collaterals around the shoulder joint
b. Anatomical variations of cervical rib | 5+5 |
| 2. | a. Classify dyslipidemia
b. Classify lipid lowering agents
c. Outline the mechanisms of action of lipid lowering agents. | 3+3+4 |
| 3. | a. Cardiovascular haemodynamic changes following supra coeliac aortic clamping.
b. Preservation methods for cadaver harvested organs- liver and kidney prior to transplant | 5+5 |
| 4. | a. Pathophysiology of aneurysms in Marfan's syndrome
b. Matrix Metallo Proteinases in formation of Aneurysms
c. Bacteriology of mycotic aneurysms. | 3+4+3 |
| 5. | Noninvasive investigations in chronic venous hypertension. | 10 |
| 6. | Outline a plan for internal audit for your department of vascular surgery. | 10 |
| 7. | a. Investigations for hypercoagulopathy.
b. Elaborate on Immune Mediated Thrombosis. | 5+5 |
| 8. | a. Anatomy of circle of Willis.
b. Anatomy of intra cranial- extra cranial anastomoses | 5+5 |
| 9. | a. Intra vascular ultrasound
b. Pan Angiogram
c. Radiological findings in different stages of acute mesenteric ischaemia. | 4+3+3 |
| 10. | Investigations and their interpretations in renovascular hypertension. | 10 |