

**VASCULAR SURGERY**

**PAPER-I**

Time: 3 hours  
Max. Marks:100

VS/D/20/33/I

**Important Instructions:**

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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:**

- Extrinsic pathway of coagulation. 3+3+4
  - Intrinsic pathway of coagulation.
  - Mechanism of action of heparin.
- Compare histology of small size artery and vein in tabular form. 4+3+3
  - Blood supply of abdominal aorta.
  - Intimal hyperplasia.
- Briefly discuss about ischaemia systemic effects associated with ischemia. 3+4+3
  - Pathogenesis of anastomotic aneurysm.
  - Free oxygen radicle scavengers.
- Pathophysiology of atherosclerosis. 5+5
  - Pharmacotherapy of dyslipidemia.
- Pre-operative cardiac evaluation of a peripheral Vascular disease patient. 5+5
  - Stress echocardiogram.
- Indications of coil embolization in vascular surgery. 3+3+4
  - Embolic agents.
  - Stent-assisted coil embolization.
- IVC anomalies. 3+4+3
  - Vascular wall and its hemodynamics.
  - Aberrant Subclavian Artery.
- Lymphatic drainage of lower limb. 4+3+3
  - Lymphedema precox.
  - Lymphedema following radical mastectomy. P.T.O.

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| 9.  | a) Raynaud's phenomenon.<br>b) Horner's syndrome.                               | 5+5 |
| 10. | a) Virchow's triad.<br>b) Cervical sympathectomy, indication and complications. | 4+6 |

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