

VASCULAR SURGERY

PAPER-III

Time: 3 hours
Max. Marks:100

VS/D/20/33/III

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:

1. Discuss about deep vein thrombosis in COVID-19 infection: 5+5
 - a) Etiopathogenesis.
 - b) Management.
2. Compare any three imaging modalities in vascular surgery in tabular form. 10
3.
 - a) EVRA trial.
 - b) COMPASS trial.5+5
4.
 - a) Advances in stem cell therapy in vascular surgery.
 - b) Bioengineered vascular graft.5+5
5.
 - a) Percutaneous closure devices.
 - b) Drug coated balloons.5+5
6. Current status of: 5+5
 - a) Laparoscopic aortic surgery.
 - b) Robotic aortic surgery.
7.
 - a) Biomechanical forces in femoro-popliteal arterial segment.
 - b) Vascular mimetic stents.5+5
8.
 - a) Class of indications.
 - b) Level of evidence.5+5
9. Compare minimally invasive modalities for management of varicose veins. 5+5
Discuss about newer modalities for vein ablation.
10.
 - a) Drugs used in drug coated balloons.
 - b) Sealants used in prosthetic graft materials.
 - c) ePTFE sutures and its properties.3+4+3
