

CARDIOLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

CARD/D/17/05/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. a) Cardiovascular complications of cocaine use. 3+4+3
b) Enumerate chemotherapeutic agents causing cardiotoxicity.
c) Dallas criteria.
2. a) Risk factors and classification of aortic dissection. 4+3+3
b) Imaging for aortic dissection
c) Management of aortic dissection.
3. a) Pathology, classification and cardiovascular manifestation of Takayasu arteritis 6+4
b) Kawasaki disease – clinical features, diagnosis and natural history.
4. a) PARTNER Trial 4+3+3
b) PARADIGM HF Trial
c) COURAGE Trial
5. a) Natural history of Ostium Secundum ASD 3+4+3
b) Assessment for device closure
c) How do you manage an adult patient (>40 years) with ASD and PAH.
6. a) Evaluation of a potential heart transplant recipient. 5+5
b) Ventricular Assist Devices – current status

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| 7. | Current status of - | 4+3+3 |
| | a) Bioreabsorbable stents | |
| | b) IVC Filter | |
| | c) Thrombus aspiration during PAMI | |
| 8. | a) Factor Xa inhibitors | 6+2+2 |
| | b) RE-LY Trial | |
| | c) Antidote for newer oral anticoagulants. | |
| 9. | a) How do you assess a patient of IHD with severe LV dysfunction for coronary revascularization? | 4+4+2 |
| | b) Device occlusion of left atrial appendage – current status. | |
| | c) Clinical trials of fractional flow reserve. | |
| 10. | a) Application of radio nuclide imaging in chest pain syndrome. | 4+3+3 |
| | b) Intra-operative TEE – current status | |
| | c) Enumerate catheter based treatment in Tetralogy of Fallot. | |
