

**CARDIOTHORACIC SURGERY**

PAPER – II

CTH/D/16/04/II

Time : 3 hours

Max. Marks : 100

**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. PAPVC: 4+3+3
  - a) Strategies for management.
  - b) Warden procedure.
  - c) Scimitar syndrome
  
2. Pulmonary arterial hypertension: 2+3+2+3
  - a) Methods of measurement.
  - b) Assessment of operability.
  - c) Post-operative management strategies.
  - d) Eisenmenger's syndrome.
  
3. Single Ventricle Repair: 3+3+4
  - a) Indications.
  - b) Assessment of suitability for BDG.
  - c) Late sequelae of Fontan procedure.
  
4. High risk CABG: 5+5
  - a) High risk subsets and risk stratification.
  - b) Peri-operative management of a patient with pre existing renal dysfunction undergoing CABG.
  
5. Cardiac transplantation: 2+4+4
  - a) Indications.
  - b) Management of immunosuppression.
  - c) Diagnosis and management of acute rejection.
  
6. Aortic root: 3+4+3
  - a) Surgical anatomy and relations.
  - b) Bentall operation.
  - c) Valve sparing options in root replacement.
  
7. HOCM: 3+4+3
  - a) Pathology.
  - b) Management options.
  - c) Results of surgical resection.

**P.T.O.**

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8. Pericardial effusion: 2+4+4  
a) Etiopathogenesis.  
b) Clinical presentation and diagnosis.  
c) Management of cardiac tamponade.
9. Mitral valve repair: 3+4+3  
a) Assessment by TEE.  
b) Techniques.  
c) Results.
10. Primary cardiac tumors: 2+2+4+2  
a) Classification.  
b) Clinical picture of left atrial myxoma.  
c) Management.  
d) Prognosis.

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