

**CARDIOTHORACIC SURGERY**

**PAPER – II**

CTS/J/17/04/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. Total anomalous pulmonary venous connection (TAPVC) under following headings: 2+4+4
  - a) Classification.
  - b) Clinical presentation.
  - c) Technique of repair of Supracardiac TAPVC.
2. Pulmonary artery banding: 3+1+3+3
  - a) Indications.
  - b) Trusler's formula.
  - c) Adjustable pulmonary artery band.
  - d) Complications.
3. Conduits used in coronary artery surgery under following headings: 4+4+2
  - a) Compare various conduits (Histology and outcome).
  - b) Advantages and disadvantages of total arterial revascularization.
  - c) Attrition rates of venous grafts.
4. Mitral valve replacement under following headings: 3+4+3
  - a) Vital structures around mitral valve annulus.
  - b) Chordal preservation techniques.
  - c) Approach to small left atrium.
5. Double outlet right ventricle: 2+2+6
  - a) Classification.
  - b) Clinical presentation.
  - c) Surgical management of various types.
6. Role of TEE (trans esophageal echocardiography) in following cardiac procedures: 2+4+2+2
  - a) Coronary artery bypass grafting.
  - b) Mitral valve repair.
  - c) Cardiac transplantation.
  - d) Aortic valve replacement.

**P.T.O.**

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7. Constrictive pericarditis: 2+2+3+3  
a) Etiology.  
b) Clinical picture.  
c) Differential diagnosis.  
d) Treatment outline.
8. Ruptured sinus of Valsalva aneurysm under following headings: 2+2+3+3  
a) Morphology.  
b) Classification.  
c) Clinical picture and diagnosis.  
d) Treatment outline.
9. a) Enumerate various cardiac operative risk evaluation scoring systems. 4+6  
b) Current status of Euro Score.
10. Lung transplantation under following headings: 2+2+3+3  
a) Indications.  
b) Complications.  
c) Immunosuppression.  
d) Outcome and results.

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