



**CARDIO THORACIC SURGERY**

**PAPER – II**

CTS/D/14/04/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.

1. Discuss various techniques of total chordal preservation of mitral valve. 10
2. Discuss the pathophysiology and management of hypoplastic left heart syndrome. 4+6
3. Enumerate various cardiac tumours. Briefly discuss clinical presentations, diagnosis and management of the commonest primary tumour of the heart in adults. 3+7
4. Enumerate various systemic pulmonary shunt operations done for Congenital Cyanotic Heart Disease. Describe complications of any two shunts. 4+(3+3)
5. Discuss pathology, investigations and treatment of chronic constrictive pericarditis. 2+4+4
6. Discuss concept and relevance of intracoronary shunts and stabilizers used in OPCAB. 4+3+3
7. Compare outcome and techniques of classical and fenestrated Fontan's operation. 5+5
8. Classify total anomalous pulmonary venous connection. Describe various radiological features. Describe various risk factors involved in its surgical management. Enumerate early and late complication. 2+3+2+3
9. Describe foetal circulation. Mention changes at birth. What are the fundamental physiological consequences due to these changes in neonate? 3+2+5
10. Describe indications of transoesophageal echocardiography. Describe various views used for valves and cardiac function. 5+5