

CARDIO THORACIC SURGERY

PAPER-II

CTS/J/18/04/II

Time: 3 hours
Max. Marks:100

- 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 question 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. Mitral valve regurgitation: 5+5
 - a) Etio-pathogenesis
 - b) Various surgical reconstructive procedures.
2. Tetralogy of Fallot: 5+5
 - a) Anatomic features and coronary artery anomalies.
 - b) Causative factors of Low cardiac output following intracardiac repair.
3.
 - a) Indications and the pathophysiology of the Fontan operation.
 - b) Modifications of Fontan and their advantages over the conventional Fontan procedure. 5+5
4.
 - a) Define Ebstein's anomaly.
 - a) Its pathophysiology and diagnosis
 - b) Cone's procedure 1+5+4
5. Advantages and disadvantages of the various palliative procedures for congenital cyanotic heart disease. 10
6. Transposition of great arteries: 5+5
 - a) Rationale for arterial switch operation.
 - b) Palliative surgeries for congenitally corrected transposition of great arteries.
7. In relation to constrictive pericarditis: 4+3+3
 - a) Etio-pathogenesis of constrictive pericarditis
 - b) Clinical features
 - c) Diagnostic features on echocardiography and catheterization study.
8.
 - a) Different arterial conduits for total arterial coronary artery revascularization
 - b) Long term results of arterial versus venous conduits. 7+3

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| 9. | Cardiac tumors: | 4+3+3 |
| | a) Clinical presentations in benign left atrial myxoma | |
| | b) Features on echocardiography | |
| | c) Management of Left atrial myxoma | |
| 10. | Aortic valve sparing procedures: | 5+5 |
| | a) Anatomical basis | |
| | b) Indications and various procedures | |
