

PAEDIATRIC CARDIOLOGY

PAPER-III

Time: 3 hours

PED.CARD/D/20/83/III

Max. Marks:100

Important Instructions:

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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) Right ventricular strain assessment using Speckled tracking echocardiography. 5+5
b) Role of Stress Echocardiography in children.
2. a) Long term complications in Fontan patients. 5+5
b) Major aortopulmonary collaterals.
3. a) Trans-catheter treatment for sinus venosus atrial septal defects. 5+5
b) Right ventricular outflow tract Stenting vs Blalock Taussig shunt (Pros and Cons).
4. a) Patent ductus arteriosus device closure in preterm neonates. 5+5
b) Indications for PDA stenting in neonate.
5. a) Direct thrombin inhibitors. 5+5
b) Role of Ivabradine in Pediatric Cardiology.
6. a) Transeptal puncture in children. 5+5
b) Balloon Mitral Valvotomy: Patient Selection, procedure and complications.
7. Multisystem Inflammatory Syndrome in Children (MIS-C). 10
8. a) Left ventricle Non-compaction Cardiomyopathy. 5+5
b) Thiamine sensitive pulmonary hypertension.
9. a) Indications and outcomes of combined heart lung transplantation. 5+5
b) Left ventricular assist device in children.
10. a) Cardiac effects and management of sleep apnea in children. 5+5
b) Newer drugs in management of heart failure.
