

PAEDIATRIC CARDIOLOGY

PAPER-I

Time: 3 hours
Max. Marks:100

PED.CARD/D/20/83/I

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. Describe the development of pulmonary vein and classify total anomalous pulmonary venous drainage on the basis of embryology. 6+4
2. a) Jugular venous pressure. 5+5
b) Retro aortic innominate vein – Incidence and significance.
3. What are the cardiovascular and hematological changes during pregnancy? How do you predict maternal cardiac complications in pregnancy with congenital heart disease? Mention the anticoagulation strategies in pregnancy with S/P valve replacement. (3+2)+3+2
4. Differentiate between restrictive cardiomyopathy and constrictive pericarditis on the basis of clinical work up and investigations. 6+4
5. a) Natural history of bicuspid aortic valve. 5+5
b) Counselling of an expectant mother with fetus having single ventricle physiology.
6. Discuss the various congenital heart diseases in Noonan's syndrome, their diagnosis and management. 4+4+2
7. Classify anti-arrhythmic medications. How do you differentiate SVT with aberrancy and ventricular tachycardia? 5+5

P.T.O.

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| 8. | Discuss natural history of ventricular septal defects (VSD).
How would you assess operability in a 5-year-old boy with uncorrected VSD with severe pulmonary hypertension? | 5+5 |
| 9. | Discuss the hemodynamic in hypo plastic left heart syndrome with a special mention to its varied presentations. | 10 |
| 10. | a) Number Needed to treat.
b) Odds ratio. | 5+5 |
