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JUNE 2020

CARDIO THORACIC SURGERY (PART-II/FINAL) PAPER-II

Time: 3 hours CTS/J/20/04/II

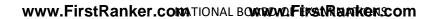
Max. Marks:100

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.	a) Coronary arteriography.b) Digital subtraction angiography.	5+5
2.	a) Describe the morphology and pathophysiology of hypertrophic obstructive cardiomyopathy (HOCM).b) Describe the clinical features and management of this condition.	5+5
3.	a) Describe the morphological features of cor triatriatum and classify it.b) Describe the clinical features and management of this condition.	5+5
4.	a) Classification of Double Outlet Right Ventricle (DORV).b) Taussig Bing Heart.c) Brief description of repair of Taussig Bing Heart.	3+3+4
5.	 a) Managing calcified aorta during CABG. b) Principles in management of concomitant coronary and carotid occlusive disease. c) Prevention of neurologic injury during CABG. 	3+4+3
6.	a) Atrial fibrillation.b) Treatment approach in atrial fibrillation.c) Radiofrequency ablation in cardiac surgery.	3+3+4
7.	a) Digoxin.b) Trans-esophageal echocardiography (TEE).c) General principles in Re-operative cardiac surgery.	3+3+4
8.	a) Transcatheter Aortic Valve Replacement (TAVR).b) Heart Team approach in TAVR.c) Transcatheter heart valve replacement technology.	4+3+3
		P.T.O



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9. a) What is atrial isomerism? What are its types?

5+5

- b) What is its clinical significance?
- 10. Describe the principle and operative technique of the following operations.

4+3+3

- a) Classic Glenn Shunt & Bidirectional Glenn Shunt.
- b) Kawashima Operation.
- c) Hemi-Fontan operation.

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