CARDIOTHORACIC SURGERY
PAPER - 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 tables/diagrams/flowcharts wherever appropriate.

1. a) Enumerate causes of pleural effusion.
   b) Mention the criteria to label an effusion as a transudate or exudate.
   c) Management of malignant pleural effusion.

2. a) Enumerate names of 6 trials comparing CABG with PCI.
   b) What is MACE?
   c) What are the recent outcomes from the syntax trial?

3. a) Describe the blood supply of the spinal cord.
   b) Classify thoraco-abdominal aneurysms with diagram(s).
   c) Describe landing zone criteria.

4. a) What are modified Duke’s criteria for diagnosing native valve endocarditis (NVE)?
   b) Enumerate the organisms responsible for NVE.
   c) What is the guideline for surgery in NVE?

5. a) Enumerate the congenital coronary artery anomalies.
   b) What are the different options available for treating ALCAPA?

6. a) What are the Choussat’s criteria for single ventricle repair?
   b) Describe the concept of one and a half ventricle repair? Where is it indicated?
   c) Enumerate complications of single ventricle repair.

7. a) Enumerate complications of MI.
   b) Briefly describe the surgical management of post MI VSD

8. a) What do you mean by (i) bridge to transplant (ii) destination therapy (iii) bridge to recovery?
   b) What are the different types of long term mechanical circulatory support devices? Briefly discuss its follow-up.

9. a) What is post-operative renal dysfunction?
   b) Mention its etiology and diagnosis.
   c) Briefly describe management of this disorder.

10. a) Enumerate the PDA dependant circulation.
    b) How will you maintain patency of the PDA in such a case and mention complications of such therapy?
    c) What is differential cyanosis and mention its causes?

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