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MANIPAL UNIVERSITY

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER – I: GENERAL THORACIC SURGERY

Monday, July 02, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever appropriate.**

1. Discuss the aetiology, anatomy, CF and management of thoracic outlet syndrome.

2. Write short notes on:
 - 2A. Thoracic Actinomycosis.
 - 2B. Aetiology and management of solitary pulmonary nodule of the lung.
 - 2C. Describe the anatomy of broncho pulmonary segment.
 - 2D. Management of massive haemoptysis.
 - 2E. Congenital lobar emphysema.
 - 2F. Management of Traumatic oesophageal perforation.
 - 2G. Tumor suppressor Genes.
 - 2H. Management of Chronic Bronchopleural Fistula.

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MANIPAL UNIVERSITY

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER-II: CONGENITAL HEART DISEASES

Tuesday, July 03, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever appropriate.**

1. What are the congenital anomalies of coronary arteries in the absence of structural heart disease? Discuss their clinical presentation, diagnosis and management.

(36 marks)

2A. The Ross procedure: Merits and demerits.

2B. Etiology and treatment of perioperative arrhythmias.

2C. Surgery for congenitally corrected transposition of great arteries.

2D. Role of Ductus Arteriosus in congenital cardiac malformations.

2E. Pathological anatomy of right ventricular outlet in Tetralogy of Fallot.

2F. Valve replacement in children.

2G. Pathology and pathophysiology of pulmonary artery hypertension in a large VSD.

2H. Hypoplastic left heart syndrome.

(64 marks)



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MANIPAL UNIVERSITY

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2007
SUBJECT: PAPER-III: SURGERY OF ACQUIRED HEART DISEASE AND DISEASE OF
MAJOR BLOOD VESSELS

Wednesday, July 04, 2007

Time: 3 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.
✍ Draw diagrams wherever appropriate.

1. Discuss the classification, aetiology, CF and management of Aortic dissection.
2. Write short notes on:
 - 2A. Management of sternal dehiscence.
 - 2B. Artificial heart–recent advances.
 - 2C. Surgical anatomy of morphological right ventricle.
 - 2D. Homografts valve replacement.
 - 2E. Management of Mitral restenosis.
 - 2F. Management of acquired VSD.
 - 2G. Redo coronary artery bypass surgery.
 - 2H. Membrane oxygenator.

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