

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER – I: GENERAL THORACIC SURGERY

Monday, July 03, 2006

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

✍ **Draw diagrams wherever appropriate.**

1. What are the life threatening congenital thoracic malformations (noncardiovascular) in neonates? Discuss their pathophysiology and management.

(36 marks)

2. Write short notes on:

2A. SVC obstruction syndrome: Etiology and management.

2B. Controversies in the management of Myasthenia Gravis unassociated with thymoma.

2C. Differential diagnosis of thoracic outlet syndrome.

2D. Diaphragmatic pacing.

2E. Minimally invasive thoracic surgery: Newer developments.

2F. Etiology and management of Chronic Bronchopleural Fistula.

2G. Palliation in nonresectable Carcinoma Esophagus.

2H. Evaluation of a patient with penetrating injury chest.

(8×8 = 64 marks)



K. M. C. LIBRARY

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2006**SUBJECT: PAPER-II: CONGENITAL HEART DISEASES**

Tuesday, July 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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

1. Discuss the embryology, pathophysiology, clinical features and management of TOF.

2. Short notes:
 - 2A. Classification of congenital mitral stenosis
 - 2B. Diagnosis and management of ostium primum defect.
 - 2C. Salient features of Norwood procedure.
 - 2D. Advantages of right atrial approach to VSD.
 - 2E. Surgical management of Ebstein anomaly.
 - 2F. Role of pediatric heart transplant.
 - 2G. Diagnosis and surgical treatment of aorto-pulmonary window.
 - 2H. Role of nitric oxide in pulmonary hypertension in infants.

**K. M. C. LIBRARY**

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2006**SUBJECT: PAPER-III: SURGERY OF ACQUIRED HEART DISEASE AND DISEASE OF MAJOR BLOOD VESSELS**
Wednesday, July 05, 2006

Time: 3 Hrs.

Max. Marks: 100

- ☞ **Answer all the questions.**
☞ **Draw diagrams wherever appropriate.**

1. What are the various criteria for the selection of a heart valve prosthesis? Discuss Antithrombotic therapy after valve replacement.

(10+10 = 20 marks)

2. Short notes:

- 2A. Treatment of perioperative left ventricular failure in open heart surgery.
2B. Left ventricular aneurysm: when to intervene and why?
2C. Role of TEE in perioperative decision making.
2D. Surgical treatment for pericardial tamponade.
2E. Newer developments in the diagnosis and management of Aneurysm of Abdominal Aorta
2F. The artificial heart: current status.
2G. Surgical treatment for hypertrophic cardiomyopathy.
2H. Cardiac retransplantation.

(10×8 = 80 marks)

**K. M. C. LIBRARY**