

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
(Deemed University)

M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2003

SUBJECT: PAPER-I: GENERAL THORACIC SURGERY

Tuesday, July 01, 2003

Max. Marks: 100

Time: 3 Hrs.

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- ✍ **Answer all the questions.**
✍ **Draw diagrams wherever appropriate.**
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1. Discuss the aetiology, clinical features and management of Carcinoma bronchus (non small cell Ca)

2. Write short notes on:
 - 2A. Mediastinoscopy
 - 2B. Congenital Bronchogenic cyst.
 - 2C. Traction Diverticulum
 - 2D. Technique and complications of sleeve resection of lung
 - 2E. Management of post operative Mediastinitis
 - 2F. Hydatid disease of the lung
 - 2G. Management of Rectus Excavations
 - 2H. Pulmonary Infarction, diagnosis and management.

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M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2003

SUBJECT: PAPER-II: CONGENITAL HEART DISEASES

Wednesday, July 02, 2003

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
✍ **Draw diagrams wherever appropriate.**
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1. Enumerate different types of systemic-pulmonary shunts in the management of TDF and describe one of them.

2. Short notes:
 - 2A. Current role of pulmonary artery banding
 - 2B. Classification of Tricuspid atresia.
 - 2C. Ebstein's anomaly clinical features and management
 - 2D. Types of vascular rings and treatment
 - 2E. Role of pediatric heart transplant in complex congenital cyanotic heart diseases.
 - 2F. Indications for arterial switch procedure and complications
 - 2G. Extracorporeal membrane oxygenation(ECMO)
 - 2H. Absent pulmonary valve syndrome.

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M.Ch. (CARDIO VASCULAR THORACIC SURGERY) DEGREE EXAMINATION – JULY 2003

SUBJECT: PAPER-III: SURGERY OF ACQUIRED HEART DISEASE AND DISEASE OF MAJOR BLOOD VESSELS

Thursday, July 03, 2003

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

✍ **Draw diagrams wherever appropriate.**

1. Describe the surgical anatomy of Tricuspid valve and discuss the clinical features, pathophysiology and management of Tricuspid regurgitation.

2. Short notes:
 - 2A. Comparison of mitral valve replacement and mitral valve repair
 - 2B. Membrane oxygenator
 - 2C. Retrograde coronary sinus perfusion
 - 2D. Management of Aortic Arch aneurysm
 - 2E. Recent advances in Bioprosthetic valves
 - 2F. Techniques in beating heart coronary artery bypass surgery.
 - 2G. Atrial Myxoma
 - 2H. Artificial heart.

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