Reg. No.			

M.Ch. (CARDIO VASCULAR AND THORACIC SURGERY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER I: BASIC SCIENCES

Tuesday, July 14, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

E Long Essay:

1. Describe the anatomy of the Aortic root and outline the surgical procedures to enlarge the small aortic root.

(20 marks)

2. Describe the lymphatic drainage of the Lung and its clinical significance.

(20 marks)

- 3. Short Essay:
- 3A. Left Superior Vena Cava Embryology, Diagnosis and management during atrial septal defect closure
- 3B. Anatomy of the Radial Artery
- 3C. Retrograde cardioplegia- Indication, catheter details and technique of placement
- 3D. Mediastinoscopy- Indications, instrument, node sampled and complications
- 3E. Surgical anatomy of the esophagus
- 3F. Thoracic Outlet anatomy and clinical significance

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

Reg. No.

M.Ch. (CARDIO VASCULAR AND THORACIC SURGERY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER II: CONGENITAL HEART SURGERY

Wednesday, July 15, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

∠ Long Essay:

1. Discuss the classification, clinical features and management of Transposition of Great Arteries.

(20 marks)

2. Enumerate the different types of systemic to pulmonary shunts and describe on of them.

(20 marks)

3. Short Essay:

- 3A. Deep hypothermic circulatory arrest
- 3B. Classification of Truncus arteriosus
- 3C. Surgical treatment of Ebstein anomaly of the tricuspid valve
- 3D. Mustard operation: indication, procedure and complications
- 3E. Cyanotic spell in Tetralogy of Fallot
- 3F. Salient features and treatment of ostium primum defect

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

Reg. No.			

M.Ch. (CARDIO VASCULAR AND THORACIC SURGERY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER III: ACQUIRED HEART DISEASE, GREAT ARTERIES, THORACIC

Thursday, July 16, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Long Essay:

1. Discuss the etiology, clinical features and management of non small cell carcinoma of the bronchus.

(20 marks)

2. Describe different methods of Aortic valve repair and results.

(20 marks)

- 3. Short Essay:
- 3A. Etiology and Management of postoperative open heart surgery mediastinitis
- 3B. Hydatid disease of the lung clinical features and treatment
- 3C. Sleeve resection of the lung
- 3D. Surgery for carcinoma esophagus middle one third
- 3E. Management strategies in Aortic arch aneurysm
- 3F. Diagnoses and surgery for ischemic ventricular septal rupture

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

Reg. No.			

M.Ch. (CARDIO VASCULAR AND THORACIC SURGERY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER IV: RECENT ADVANCES

Friday, July 17, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

& Long Essay:

1. Discuss the technique of multiport video assisted thoracoscopic surgery in lung resections.

(20 marks)

2. Describe various types of ventricular assist devices and the current status.

(20 marks)

- 3. Short Essay:
- 3A. Esophageal stents for inoperable carcinoma
- 3B. Virtual Bronchoscopy
- 3C. Stem cell therapy in advance, inoperable ischemic heart disease
- 3D. Mitral clip
- 3E. New generation tissue valves
- 3F. Monoclonal antibodies in lung cancer

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$