

**MARCH - 1990**

**M.Ch. DEGREE EXAMINATION, MARCH 1990**

**(Higher Specialities)**

**Branch — Thoracic Surgery**

**THORACIC SURGERY — RECENT ADVANCES**

**Time : Three hours.**

**Answer ALL the questions.**

**Discuss the various methods of preservation of myocardium during cardiopulmonary by-pass.**

**Discuss the pathogenesis, diagnosis and management of myasthenia gravis.**

**Write short notes on :**

- (a) Criss cross heart.**
- (b) Pulmonary artery sling.**
- (c) Pectus excavatum.**
- (d) Acquired tracheo-esophageal fistulae.**

# MARCH - 1991

M.Ch. DEGREE EXAMINATION, MARCH 1991

(Higher Specialities)

Branch      Thoracic Surgery

Paper III — THORACIC SURGERY — RECENT ADVANCES

Three hours.

Answer ALL the questions.

1. Discuss the value of the following in the post-operative management of cardiac surgical cases :

- (a) Aortic counter-pulsation.
- (b) Pacing.
- (c) Computers.

Discuss mitral valve repair..

Write short notes on :

- (a) Aneurysm of ventricular septum.
  - (b) Abnormal atrioventricular conduction pathways.
  - (c) HIS bundle mapping.
  - (d) Rastelli operation.
  - (e) Sequential pacing.
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MARCH - 1992

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M.Ch. DEGREE EXAMINATION, MARCH, 1992

Branch I - Thoracic Surgery

Paper III - THORACIC SURGERY RECENT ADVANCES

Time: Three hours

Maximum: 100 Marks

1. Discuss the surgical advancements in the management of Rheumatic Valvular heart diseases. (25 Marks)
2. Discuss the role of Lung transplant in (25 Marks) the management of respiratory disorders.
3. Write short notes on:
  - a) Contraindications for surgery in Bronchogenic Carcinoma.
  - b) Cephalosporins
  - c) Digital Coronary angiography
  - d) Mediastinal emphysema
  - e) Effects of Pulmonary re section

## SEPTEMBER - 1992

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M.Ch. DEGREE EXAMINATION, SEPTEMBER 1992

Branch: Thoracic Surgery

paper III — THORACIC SURGERY — RECENT ADVANCES

Time: Three hours. Maximum: 100 marks

Answer ALL the questions

Discuss the etiology, diagnosis and management of aortic stenosis. (25 marks)

1. Discuss the surgical treatment of double outlet right ventricle. (25 marks)

Write short notes on: (5 × 10 = 50 marks)

- (a) Single lung transplantation
- (b) Left main coronary artery disease
- (c) Absent pulmonary valve
- (d) Ebstein Anomaly
- (e) Truncus Arteriosus

# MARCH - 1993

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M.CH. DEGREE EXAMINATION MARCH, 1993

Branch I - THORACIC SURGERY

OLD/NEW REGULATIONS

THORACIC SURGERY RECENT ADVANCES

Time: Three hours

Maximum: 100 Marks

1. Discuss the diagnosis and management of solitary pulmonary nodule. (25)
  2. Discuss the relative merits of surgical procedures employed in the management of coronary artery occlusion. (25)
  3. Write short notes on: (5 x 10=50)
    1. Mediastinal Abscess.
    2. DC - Cardioversion.
    3. Cardiomyoplasty.
    4. Calcium channel blocking drugs.
    5. Acute infarct scintigraphy.
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**APRIL - 1994**

*(Higher Specialities)*

*Branch I - Thoracic Surgery*

*(Old/New Regulations)*

*Paper III - THORACIC SURGERY - RECENT ADVANCES*

*Three hours.*

*Max.marks:100*

*Answer ALL questions.*

*Discuss the management of the aneurysms of the aortic arch. (25)*

*Discuss the basic technical concepts of video-assisted thoracic surgery and its merits. (25)*

*Write short notes on: (5 x 10 = 50 )*

- a. Maze procedure*
- b. Total cavo-pulmonary connection*
- c. Inter-costal analgesia*

*Cryo-preservation of tissue valves*

*Trans-hiatal esophagectomy*

**NOVEMBER - 1994**

[ND 121]

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch Thoracic Surgery**

**(Old/New Regulations)**

**Paper III — THORACIC SURGERY — RECENT ADVANCES**

**Time Three hours**

**Maximum 100 marks**

**Answer ALL questions**

1. Discuss the Fontan procedure and its various modifications. (25)
2. Discuss the alternative conduits for coronary artery bypass graft surgery. (25)

**Write short notes on : (5 × 10 = 50)**

- (a) Re-perfusion injury.
- (b) Inotropic agents in cardiac surgery.
- (c) Aprotinin
- (d) C. Walton Lillie
- (e) Blood conservation in open heart surgery.

**APRIL - 1995**

**[B 121]**

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch I — Thoracic Surgery**

**(Old/New Regulations)**

**Paper III — THORACIC SURGERY — RECENT ADVANCES**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I Discuss in detail the palliative procedure for congenital aortic heart disease. (25)**

**Discuss Re-do open heart surgery. (25)**

**Write short notes on : (5 x 10 = 50)**

- ) Pulmonary embolism.**
- ) Gastro-esophageal reflux.**
- ) Cardiomyoplasty.**
- ) Prosthetic valve endocarditis.**
- ) TAPVC.**



APRIL - 1996

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M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch I - Thoracic Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN THORACIC AND  
CARDIO VASCULAR SURGERY

Time: Three hours

Max. marks:100

Answer All Questions

1. Describe the current status and possible future advances in cardiac transplantation. (25)
2. Describe the various recent diagnostic modalities in Thoracic & Cardio vascular diseases. (25)
3. Write short notes on: (5x10=50)
  - (a) Alternative conduits for CABG
  - (b) Trans myocardial laser revascularisation
  - (c) Minimally invasive coronary artery surgery
  - (d) Homograft valves
  - (e) INR (International Normalised Ratio)

APRIL - 1997

MP 31

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch I - Thoracic Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN THORACIC AND  
CARDIO VASCULAR SURGERY

Time: Three hours

Max. marks:100

Answer All Questions

1. Discuss the physiological changes during cardiopulmonary bypass. (25)
2. Current status of use of allografts in aortic and mitral valve disease. (25)
3. Write briefly on: (5x10=50)

Minimal invasive coronary artery surgery

Discuss current status of warm vs. cold cardioplegia

Classify ventricular aneurysms and briefly discuss their management

Maze procedure

Transmyocardial revascularisation.

APRIL - 1998

SV 31

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch I - Thoracic Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN THORACIC AND  
CARDIOVASCULAR SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the anatomy of coronary sinus and the role of coronary sinus retrograde perfusion in myocardial preservation. (25)
2. Describe surgical management of hypoplastic left heart syndrome. (25)
3. Write briefly on: (5x10=50)
  - (a) Minimum invasive coronary artery surgery
  - (b) Thoracic outlet syndrome
  - (c) Myasthenia gravis
  - (d) Myocardial Reperfusion Injury
  - (e) Management of small aortic root.

**OCTOBER - 1998**

**[SM 028]**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch I — Thoracic Surgery**

**(Revised Regulations)**

**Paper IV - RECENT ADVANCES IN THORACIC AND  
CARDIO VASCULAR SURGERY**

**Time Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe the recent trends in myocardial revascularisation. (25)
2. Describe the recent advances in the management of cardiac arrhythmias. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Xeno-transplantation.
  - (b) Warm heart surgery.
  - (c) Minimally invasive cardiac surgery.
  - (d) Gene therapy.
  - (e) Adenosine.

**APRIL - 2000**

**[KB 028]**

**Sub. Code : 1504**

**M.Ch. DEGREE EXAMINATION**

**(Revised Regulations)**

**Branch I — Thoracic Surgery**

**Paper IV — RECENT ADVANCES IN THORACIC AND  
CARDIOVASCULAR SURGERY**

**Time Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe with pictures the various parts of Artificial Heart and its present status. (25)
2. Give an account of Bioprosthetic Heart Valves and their complications. What are the efforts being made to overcome their drawbacks? (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Cosmetic accesses in cardiac surgery.
  - (b) Blood substitutes.
  - (c) Roll of leucocytes in cardiopulmonary bypass.
  - (d) Lasers in cardiothoracic surgery.
  - (e) Diaphragmatic pacing.

OCTOBER - 2000

[KC 028]

Sub. Code : 1504

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch I — Thoracic Surgery

(Revised Regulations)

Paper IV — RECENT ADVANCES IN THORACIC  
AND CARDIO VASCULAR SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Current status of minimally invasive valve surgery. (25)
  2. Newer modalities for reducing organ dysfunction following cardio pulmonary bypass. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Esmolol
    - (b) Partial left ventriculectomy
    - (c) Stentless aortic valve prosthesis
    - (d) Percutaneous transmyocardial laser revascularisation
    - (e) Metabolic support of myocardium.
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