

Question Paper

Exam Date & Time: 28-May-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER M.Sc. (ECHOCARDIOGRAPHY) DEGREE EXAMINATION - MAY/JUNE 2022
SUBJECT: MECO 702 - MISCELLANEOUS DISEASES
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the brief clinical and echocardiographic evaluation of patients with chronic constrictive pericarditis. (20)
- 2) Explain the etiology, brief classification and clinical evaluation of the cardio-renal syndrome. (20)
- 3A) Explain the brief clinical and echocardiographic evaluation of aortic dissection. (10)
- 3B) Explain the pathophysiology and diagnosis of hypereosinophilic syndrome in brief. (10)
- 3C) Describe the pathophysiology, diagnosis, management and prognosis of peripartum cardiomyopathy. (10)
- 3D) Explain the various types of clinical presentation in hypertrophic cardiomyopathy. (10)
- 4A) Describe the clinical presentation and echocardiography in papillary fibro elastoma. (5)
- 4B) Explain the echo findings in Marphan's Syndrome. (5)
- 4C) Write a note on diabetic cardiomyopathy. (5)
- 4D) Describe the clinical signs of ruptured sinus of Valsalva. (5)

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Question Paper

Exam Date & Time: 30-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER M.Sc. ECHOCARDIOGRAPHY/ CARDIAC CATHETERIZATION AND INTERVENTION
TECHNOLOGY DEGREE EXAMINATION - MAY/JUNE 2022
SUBJECT: MECO/MCAT 704 - CARDIOVASCULAR SURGERY
(2018 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the surgical indications, contraindications, complications and various surgical principle for mitral valve repair. (20)
- 2) Explain the indications and procedure for Univentricular repair. (10)
- 3) Describe the types and management of aortic aneurysm. (10)
- 4A) Explain the evaluation and management of cardiac donor. (5)
- 4B) Write a short note on complications of cardiac surgery. (5)

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