

# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER M.Sc. ECHOCARDIOGRAPHY DEGREE EXAMINATION - MAY/JUNE 2022  
SUBJECT: MECO 706 - RECENT ADVANCES  
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain in detail the role of 3D echocardiography in the assessment of mitral and aortic valve diseases. (20)
- 2) Elaborate the methods, analysis and applications of contrast echocardiography. (20)
- 3A) Discuss the applications of peripheral vascular ultrasound in the diagnosis of carotid artery disease. (10)
- 3B) Write a note on clinical applications of strain echocardiography. (10)
- 3C) Discuss the role of echocardiography in cardiac tumours and masses. (10)
- 3D) Explain advanced methods in echocardiography for RV function assessment and quantification. (10)
- 4A) Neatly draw and explain different transoesophageal echocardiographic views of mitral scallops. (5)
- 4B) Write a note on assessment of myocardial viability using SPECT scan. (5)
- 4C) Peripartum cardiomyopathy. (5)
- 4D) Write a note on prosthetic valve dysfunction. (5)

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