

# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER M.Sc. (CARDIAC CATH & INTERVENTION TECHNOLOGY) DEGREE EXAMINATION - MAY/JUNE  
2022

SUBJECT: MCAT 702 - CARDIAC CATH AND INTERVENTION IN MISCELLANEOUS DISEASES  
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

**Answer all the questions.**

- 1) Discuss the interventional treatment for HOCM in terms of guidelines, procedure, complications and management. (20)
- 2) Explain the pathophysiology of Coartation of aorta and discuss the interventional steps in CoA stenting. (20)
- 3A) Discuss the differential diagnosis of restrictive cardiomyopathy. (10)
- 3B) Explain the lower extremity anatomy and give the angiographic landmarks for various artery and vein access. (10)
- 3C) Explain the role of endomyocardial biopsy in the diagnosis of heart diseases. (10)
- 3D) Discuss the interventional techniques in coronary sinus stenting. (10)
- 4A) Give the Fontaine and Rutherford Classification for PVDs. (5)
- 4B) Define Aortic ulcers, Add a note of its interventional treatment. (5)
- 4C) Add a note on Budd Chiari syndrome. (5)
- 4D) Mention the complications of renal artery intervention. (5)

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