



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. CARDIOVASCULAR TECHNOLOGY DEGREE EXAMINATION - AUG/SEPT 2018
SUBJECT: BCVT 204 - CONGENITAL HEART DISEASE - I
(2016 SCHEME)

Tuesday, September 04, 2018 (10.00 - 13.00 Hrs.)

Answer ALL the questions.

Draw the diagram wherever necessary.

Marks: 100

Duration: 180 mins.

- 1) Explain classification, clinical findings, and echocardiographic findings in ASD. (20)
- 2) Explain echocardiographic approach to congenital heart disease in identifying cardiac chambers. (20)
- 3) Explain the pathophysiology and types of ductus arteriosus. (10)
- 4) Explain classification and echocardiographic evaluation of endocardial cushion defect. (10)
- 5A) Write a short note on Echo views on types of VSD with a labelled diagram. (5)
- 5B) Write the differences between Cor triatriatum and supra valvular mitral ring with neat labeled diagram. (5)
- 5C) Describe the components of supra cardiac TAPVC, Explain its pathophysiology. (5)
- 5D) Explain clinical presentation, diagnosis and evaluation Coarctation of aorta in adults. (5)
- 5E) Explain classification of AP window with diagram briefly. (5)
- 5F) Explain pathophysiology of congenital mitral stenosis in brief. (5)
- 6A) Mention the sites of obstruction in infracardiac TAPVC. (2)
- 6B) Write the ECG finding in anti-clock wise looping of electrical axis. (2)
- 6C) Define GOSE score. (2)
- 6D) Define heterotaxy syndrome. (2)
- 6E) Define pulmonary plethora and write any two causes. (2)

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