

**BACHELOR OF SCIENCE (CARDIOVASCULAR TECHNOLOGY) (CBCS - 2020 COURSE)**  
**B. Sc. (Cardiovascular Technology) Sem - III : WINTER- 2022**  
**SUBJECT : CLINICAL FEATURES & TREATMENT OF DISEASES PERTINENT**  
**TO CARDIAC TECHNOLOGY**

Day : Wednesday

Time : 10:00 AM-12:00 PM

Date : 18-01-2023

**W-23347-2022**

Max. Marks : 40

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**N.B.**

- 1) There are **THREE** section as  
Section – A = Objective Types Questions – 20 marks.  
Section – B = Long Answer Questions – 20 marks.  
Section – C = Short Answer Questions – 20 marks.
  - 2) Section B has three long questions and **ANY TWO** questions have to be answered.
  - 3) Section C has six short questions and **ANY FOUR** questions have to be answered.
  - 4) Answer to both the sections should be written in the **SAME** answer book.
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**SECTION – B**

**Long Answer (Attempt ANY TWO) (20)**

- 1) Discuss causes, symptoms and treatment of atrial septal defect.
- 2) Discuss causes, symptoms and treatment of mitral stenosis.
- 3) Discuss pulmonary hypertension causes, symptoms and treatment.

**SECTION – C**

**Short Answer (Attempt ANY FOUR) (20)**

- 1) Discuss tetralogy of fallot?
- 2) Discuss echocardiographic features, HCM and HDCM.
- 3) Discuss symptoms and investigation of aortic stenosis and treatment.
- 4) Discuss rheumatic fever.
- 5) Discuss aortic regurgitation symptoms and investigation.
- 6) Discuss secondary hypertension and its causes?

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- 1) There are **THREE** section as  
Section – A = Objective Types Questions – 20 marks.  
Section – B = Long Answer Questions – 20 marks.  
Section – C = Short Answer Questions – 20 marks.
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet. This sheet should be completed within the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section B has three long questions and **ANY TWO** questions have to be answered.
- 4) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 5) You have to make  such kind of mark in the box of the appropriate answers.

Seat No. : \_\_\_\_\_

**SECTION – A**

**M.C.Q.**

- 1) Which is not part of tetralogy of fallot?
  - a)  VSD
  - b)  Parachute mitral valve
  - c)  Right ventricular hypertrophy
  - d)  Pulmonary stenosis
- 2) Coronary artery is the branch of
  - a)  Pulmonary artery
  - b)  Ascending aorta
  - c)  Descending aorta
  - d)  Arch of aorta
- 3) Choose different ward
  - a)  Troponin T
  - b)  Typhoid
  - c)  Troponin I
  - d)  CPK-MB
- 4) All are the types of ASD EXCEPT
  - a)  Perimembranous ASD
  - b)  Ostium primum ASD
  - c)  Patent foramena ovalis
  - d)  All of the above

P.T.O.

- 5) Choose incorrect sentence regarding MR
- a)  MR can be central jet, posterior jet, anterior jet
  - b)  MR filling > 50% of LV chamber indicating mild MR
  - c)  MR filling 25% of LV chamber = mild MR
  - d)  Vena contraction > 7 mm in severe MR
- 6) Echo features of DCMP all except
- a)  Regional or global hypokinesia
  - b)  Significant MR/TR
  - c)  Thickening of wall
  - d)  Significantly depressed LV function
- 7) Normal fluid volume in pericardium up to
- a)  15 ml
  - b)  85 ml
  - c)  10 ml
  - d)  50 ml
- 8) Inflammation of the cardiac valves is called
- a)  Myocarditis
  - b)  Pericarditis
  - c)  Endocarditis
  - d)  Valve prolapse
- 9) Normal duration of QRS complex
- a)  160ms
  - b)  <420ms
  - c)  80–120ms
  - d)  80–100ms
- 10) Normal PR interval
- a)  80–120ms
  - b)  120–200ms
  - c)  0.6–1.2ms
  - d)  350–430ms

Total Marks Obtained : \_\_\_\_\_ Signature of Invigilator : \_\_\_\_\_

Signature of Examiner : \_\_\_\_\_

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