

BACHELOR OF SCIENCE (CARDIOVASCULAR TECHNOLOGY) (CBCS - 2020 COURSE)

B. Sc. (Cardiovascular Technology) Sem - V : WINTER- 2022

SUBJECT : CARDIAC CATHETERIZATION LABORATORY ADVANCED-I

Day : Monday

Time : 10:00 AM-12:00 PM

Date : 23-01-2023

W-23367-2022

Max. Marks : 20

**N.B.**

- 1) There are three sections as  
Section – A = Objective Type 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 with the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by Supervisor.
- 3) Section - B has four 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  $\surd$  such kind of mark in the box of the appropriate answers.

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

**SECTION - A**

**M.C.Q's**

**(20)**

- 1 Make ascending order steps of angioplasty choose correct:
  - a)  Route access, PTCA wire, balloon, guiding catheter, stent
  - b)  Pre-dilate, PTCA wire, stent, guiding catheter, balloon
  - c)  Guiding catheter, balloon, PTCA wire, stent, post dilate
  - d)  Route access, guiding catheter, PTCA wire, balloon, stent
- 2 PDA is the connection between:
  - a)  RV & Aorta
  - b)  Aorta & Rt. Pulmonary artery
  - c)  Aorta & Lt. Pulmonary artery
  - d)  Aorta & LV
- 3 Renal arteries arising between:
  - a)  T4 & L5 vertebra
  - b)  T2 & L12 vertebra
  - c)  T12 & L1 vertebra
  - d)  L1 & l2 vertebra
- 4 Lumber artery is the branch of :
  - a)  Thoracic aorta
  - b)  Abdominal aorta
  - c)  IVC
  - d)  Descending aorta

**P.T.O.**

- 5 Management of pericardial fluid all except:
- a)  Diuretics
  - b)  Pericardiosynthesis
  - c)  Balloon pericardial fluid removal
  - d)  None of the above
- 6 Normal range of serum creatine:
- a)  0.4 – 1 Mg/dl
  - b)  1 – 2 Mg/dl
  - c)  1.2 – 1.4 Mg/dl
  - d)  < 1.6 Mg/dl
- 7 Choose incorrect sentence:
- a)  Wilkins score on echo useful tool before patient posted for BMV
  - b)  12F sheaths dilator used to dilate the IAS
  - c)  Wilkins score < 7 indicate the patient can be taken for BMV
  - d)  Niti LA wire used in BMV
- 8 In OTW balloons, OTW stands for :
- a)  Out of the wire
  - b)  Outer part window
  - c)  Over the window
  - d)  Over the wire
- 9 Type of balloons all except:
- a)  OTW
  - b)  Rx
  - c)  Semi compliant
  - d)  Non semi compliant
- 10 Which is not CTO wire:
- a)  Fielder XT
  - b)  Miracle
  - c)  Rinato
  - d)  Cross it 200XT

Total marks obtained : \_\_\_\_\_

Signature of Invigilator : \_\_\_\_\_

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

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  - 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 **SAME** answer book.
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**SECTION – B**

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

- 1) Describe the procedure & materials used in balloon mitral valvuloplasty.
- 2) Write in details coronary angioplasty procedure, complications and management of complications?
- 3) Write note on Aortic angiography.

**SECTION – C**

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

- 1) Write note on PTCA wire
- 2) Write note on Guiding catheters
- 3) Write note on preangiography preparation in radial angiography posted patient?
- 4) Management of Cardiac Tamponade
- 5) Write different types of Contrast agents
- 6) Write note on peripheral angiography

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