



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A++' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

CONTINUOUS INTERNAL ASSESSMENT I – FEBRUARY 2025
SEMESTER- VI

Class : III UG

Time :2 hours

Major : PHYSICIAN ASSISTANT

Max.Marks : 60

22BPAC31 –CARDIOLOGY

Course Outcome:

At the end of the course, students will be able to,

- 1:** Understand the basics of anatomy and physiology of cardio vascular system. Body fluids, blood.
- 2:** Know the importance of assessment and diagnostic procedures, invasive techniques of cardiovascular system.
- 3:** Improve knowledge of Cardio vascular Diseases and Peripheral Vascular Diseases.
- 4:** Provide students insight into drugs and intensive care management of Cardiovascular diseases.
- 5:** Aware of Various Surgical Procedures and post-operative rehabilitative management of Cardiovascular system, Cardiac rehabilitation and life style modification.

PART–A

Choose the correct answer

6x1=6

1. The following reasons is cardiac cath NOT performed CO1K2
 - a. To assess coronaries, heart, and great vessels
 - b. To measure stenosis and regurgitation
 - c. To pressures and O2 sat levels
 - d. We use cardiac cath for all of these
2. The following are areas where access is obtained for left heart cardiac catheterization CO1K1
 - a. Femoral artery
 - b.Brachial artery
 - c.Femoral vein
 - d.Brachial vein
3. The following is NOT a method for determiniing cardiac output CO2K1
 - a. FICK
 - b. Thermodilution
 - c. Dye dilution
 - d. Ejection fraction x heart rate
4. The following is normal cardiac output? CO2K2
 - a. 2-4 L/min
 - b. 4-6 L/min
 - c. 4-8 L/min
 - d. 2-6 L/min
5. The following is the most common symptom of myocardial infarction? CO3K1
 - a. Chest pain
 - b. Dyspnea
 - c. Edema
 - d. Palpitations
6. Coronary arteries primarily receive blood flow during CO3K1
 - a. During inspiration
 - b. During diastole
 - c. During expiration
 - d. During systole

PART-B

3x6=18

Answer all questions

Each answer should not exceed 300 words or two pages

7. a) Explain briefly on Cardiac murmurs **(or)** CO1K1
7. b) Explain briefly on the Coronary perfusion CO1K2
8. a) Write in detail about the Thoracic imaging procedures **(or)** CO2K2
8. b) Explain about the Treadmill stress testing CO2K2
9. a) Write in detail on the emergency management of Hypertensive Crisis **(or)** CO3K2
9. b) Explain the Medical and surgical management of Myocardial infarction CO3K1

PART–C

3 X12 = 36

Answer all questions

Each answer should not exceed 700 words or four pages

10. a) Describe the Cardiac Cycle. **(or)** CO1K1
10. b) Explain in detailed about Blood Pressure and its regulation CO1K1
11. a) Explain briefly about Echocardiogram **(or)** CO2K2
11. b) Write in detailed about Cardiac catheterization and Angiography CO2K1
12. a) Explain briefly on the Drugs therapy of heart failure **(or)** CO3K1
12. b) Enumerate about ICU management for cardiac patient CO3K1

