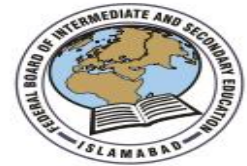


Version No.			

ROLL NUMBER						



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7	7	7	7	7	7	7
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Answer Sheet No. \_\_\_\_\_

Sign. of Candidate \_\_\_\_\_

Sign. of Invigilator \_\_\_\_\_

## Cardiovascular Technology HSSC-II

SECTION – A (Marks 20)

Time allowed: 25 Minutes

Section – A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question papers itself. It should be completed in the first 25 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. **Do not use lead pencil.**

**Q No1. Circle the correct option i.e. A / B / C / D. Each part carries one mark.**

**1. Most common cause of Ischemic Heart Disease**

Healthy Diet  Exercise

A- C- Atherosclerosis  D-Young age

**2. Diuretics increase the formation of,**

A-Blood  B-Urine

C-Glucose  D- Proteins

**3. Angina due to coronary artery spasm called**

A-Stable Angina  B-Unstable Angina

C-Prinzmetal Angina  D- Angina Pectoris

**4. Myocardial Infraction is also called**

A-Cardiac arrest  B-Heart Attack

C-Cardiac failure  D-Cardiac arrhythmias

**5. Acute Coronary Syndrome (ACS) does not include**

A-Unstable Angina  B-STEMI

C-NSTEMI  D-Cardiac Arrest

**6. The prolonged ischemia results the death (necrosis) of myocardial cells cause**

A- Heart Failure  B- Myocardial Infraction

B- C-Cardiogenic Shock  D-Ischemic Heart

**7. A chronic progressive condition that affects the pumping power of the heart muscle called**

A-Myocardial infraction  B- Cardiogenic Shock

C-Congestive Heart Failure  D-Ischemic Heart Disease

**8. When ventricles are too weak to pump/push out the blood to your body called**

A-Systolic heart failure  B- Diastolic Heart Failure

C-Systemic Failure  D-Circulatory failure

**9. Failure of heart to pump enough blood to meet the oxygenation needs of the body, blood pressure falls and organs may begin to fail.**

A-Cardiomyopathies  B-Hypertension

C- Heart Failure  D-Cardiogenic Shock

**10. Diagnostic Measures for MI Except**

A-ECG  B-Angiography

C-Troponins  D- Ultrasound

**11. Risk factors of MI EXCEPT**

- A-Stress  B- Obesity   
C- Healthy life style  D-Hypertension

**12. Positive chest pain (Angina), Positive Troponins with ST elevations**

**Diagnose as:**

- A-Unstable Angina  B-NSTEMI   
C-STEMI  D- Angina

**13. Tetralogy of Fallot does not consist of:**

- A- Pulmonary Regurgitation  B-Pulmonary Stenosis   
B- C-Right Ventricular Hypertrophy  D-Over Riding of the Aorta

**14. Most common Cause of Secondary Hypertension is:**

- A- Hypotension  B- Liver Failure   
C- Renal artery Stenosis  D-Stroke

**15. Which is not include in Pre-Angiography Care**

- A- Inform Consent  B-NPO   
C- Bilateral IV Cannulation  D- Exercise

**16. A Type of cardiomyopathy characterize by fibrosis and stiffness of ventricular wall known as:**

- A-Dilated cardiomyopathy  B-Hypertrophic cardiomyopathy   
C-Restrictive cardiomyopathy  D-Congestive cardiomyopathy

**17. When Heart's valves do not close all the way so blood leaks backwards, called**

- A-Stenosis  B-Regurgitation   
C- Hypertension  D-Congestion

**18. Contraindication of Beta-Blockers include**

- A-Hypertension  B-Tachycardia   
C-Asthma  D-Angina

**19. Contraindications of ACE inhibitors include**

- A-Excessive Cough  B-Angioedema   
C-Hypertension  D- Both A&B

**20. Medications which reduce the cholesterol level**

- A-Nitrates  B-ARBs   
C- Statins  D-ACE inhibitors



## Federal Board HSSC-II Examination Cardiovascular Technology

Time allowed: 2:35 hours

Total Marks Section B and C: 80

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Note: Answer any twenty five parts from Section 'B' and attempt any three questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

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### SECTION – B (Marks 50)

**Q.2** Attempt any **TWENTY FIVE** parts from the following. All parts carry equal marks. Be brief and to the point. (25 × 2 = 50)

1. what is difference between Unstable Angina and Prinzmetal Angina
2. Define Myocardial Infarction.
3. Write the most common causes of Ischemic Heart Disease.
4. What are the indications of Beta-Blockers?
5. Define Congestive Heart Failure.
6. Define Angina Pectoris.
7. Define Primary Hypertension.
8. Write down the difference between Stenosis and Regurgitation.
9. Define Angiography.
10. Write down the stages of hypertension.
11. Define Cardiogenic Shock.
12. Write down the Risk Factors of MI
13. Write down four Generic names of calcium channel blockers.
14. Define cardiac Tamponade.
15. Name the diagnostic measures for MI.
16. What is difference between systolic and diastolic failure.
17. Define Dilated Cardiomyopathy.
18. Name four cardiac biomarkers.
19. What are the Contraindications of blood thinner (Aspirin)
20. What is Holter Monitor?
21. Define Restrictive Cardiomyopathy.
22. Define Aortic Stenosis.
23. What are the uses of Cardiac monitor?
24. What is Defibrillator?
25. Define Statins.
26. Define Stable Angina.
27. What is difference between LDL and HDL?
28. What are the contraindications of Exercise Tolerance Test?
29. Write the names of different places to check pulses.

30. Define Tetralogy of Fallot.
31. Differentiate between Bradycardia and Tachycardia.
32. Differentiate between Angiography and Angioplasty.
33. What is acute coronary Syndrome (ACS)?
34. What is difference between benign and malignant hypertension?
35. List four generic names of ACE inhibitors.

### **SECTION – C (Marks 30)**

**Note: Attempt any THREE questions. All questions carry equal marks. (3×10 = 30)**

- Q 3. Briefly Explain Ischemic Heart disease (etiology, sign & symptoms, Diagnosis and treatment)
- Q 4. Explain Pre and post Angiography care.
- Q 5. Write a note on Exercise Tolerance Test (ETT) (introduction, indications, preparation ?  
Of patient for ETT and contraindications)
- Q 6. What is Congestive heart failure? Differentiate between systolic and diastolic heart failure?
- Q 7. Write down a NOTE on hypertension.

