



Name :

Roll No. :

Invigilator's Signature :

CS/HM/SEM-6/BHM-604D/2010

2010

CARDIOVASCULAR DISEASES

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following : 10 × 1 = 10

i) Muscle of Heart is called

a) Myocardium

b) Pericardium

c) Endocardium.

ii) Normal blood pressure is

a) 130/80 mm of Hg

b) 160/90 mm of Hg

c) 100/70 mm of Hg.



- iii) Conductive system of Heart is
- a) SA node
 - b) AV node
 - c) Bundle of His
 - d) RL left bundle
 - e) Purkinje's fibre
 - f) All of these.
- iv) ECG means
- a) electrical potential generated during cardiac contraction
 - b) electrical potential generated by Brain
 - c) movement of intestine
 - d) none of these.
- v) Mitral valve is also known as
- a) Right A-V valve
 - b) Left A-V valve
 - c) Bicuspid valve
 - d) Semilunar valve.
- vi) Echocardiogram is
- a) radiological process
 - b) BP recording process
 - c) to find oxygen saturation
 - d) ultrasound procedure.
- vii) Defrillation means
- a) giving electric shock to revive cardiac function
 - b) to prevent heart failure
 - c) to lower blood pressure
 - d) none of these.



- viii) Semilunar valves are present between
- a) L. ventricle and aorta
 - b) RL ventricle and pulmonary artery
 - c) None of these.
- ix) Angina Pectoris means
- a) painful leg cramps
 - b) headache
 - c) abdominal colic
 - d) none of these.
- x) Cardiac Diastole means
- a) contraction of heart muscles
 - b) relaxation of heart muscles
 - c) inactivity of all chambers
 - d) none of these.
- xi) Angina Pectoris is
- a) pain due to cardiac inchaemia
 - b) Difficulty in breathing
 - c) Bluish discolour of tongue and lips.

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following.

3 × 5 = 15

2. Various properties of Cardiac muscles.
3. Blood group.
4. Artificial valves.
5. Blood pressure
6. Coronary artery stent.

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GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Discuss in detail the circulation of blood with the help of a diagram.
8. What is CT scan ? What are the common uses of CT scan ? Discuss various types of CT acquisition. What are the benefits & risk of CT scan ? $2 + 3 + 7 + 3$
9. Discuss the measures to control the cardiovascular diseases with special reference to diet.
10. Discuss in brief, outline of Cardiac operations.
11. Briefly describe the pre-operative, operative & post-operative procedures of heart transplantation. Write a short note on Biochemical changes in C.V. diseases. $8 + 7$

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