Name :	
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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 : $10 \times 1 = 10$
 - 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.

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- 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.

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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.

 $3 \times 5 = 15$

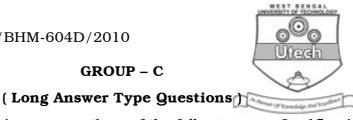
- 2. Various properties of Cardiac muscles.
- 3. Blood group.
- 4. Artificial valves.
- 5. Blood pressure
- 6. Coronary artery stent.

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

7. Discuss in detail the circulation of blood with the help of a diagram.

GROUP – C

- What is CT scan ? What are the common uses of CT scan ? 8. 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