



Name :
Roll No. :
Invigilator's Signature :

CS/HM/SEM-6/BHM-604D/2012

2012

CARDIOVASCULAR DISEASE

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 the following :

10 × 1 = 10

- i) Systole in cardiac cycle is
 - a) contraction of ventricles
 - b) relaxation of ventricles
 - c) stopping of heartbeat
 - d) none of these.
- ii) Permanent damage to heart muscle due to blocked artery is termed as
 - a) *Angina pectoris*
 - b) *Myocardial infarct*
 - c) *Cardiomyopathy*
 - d) *Myocarditis.*
- iii) Leukaemia means
 - a) white blood
 - b) excess WBC
 - c) blood cancer
 - d) none of these.



- iv) The stroke volume is approximate by
- a) 120 ml
 - b) 60 ml
 - c) 80 ml
 - d) 70 ml.
- v) Only vein carrying the oxygenated blood is
- a) Coronary vein
 - b) Pulmonary vein
 - c) Hepatic vein
 - d) None of these.
- vi) Covering of the heart is known as
- a) *Endocardium*
 - b) *Pericardium*
 - c) *Myocardium*
 - d) *Pleura*.
- vii) Largest artery of the body is
- a) femoral artery
 - b) saphenous artery
 - c) aorta
 - d) coronary artery.
- viii) Pacemaker is implanted in heart due to
- a) coronary blood supply obstruction
 - b) defect in conduction system of heart
 - c) defect in heart valves
 - d) rheumatic heart disease.
- ix) Full form of CABG is
- a) Coronary artery bypass grafting
 - b) Cardiac articulate balloon graft
 - c) Cardiac artery balloon grafting
 - d) Coronary angioplastic balloon grafting.



- x) Study of electrical activity of heart is done by
- a) Echocardiography
 - b) Electroencephalography
 - c) Electrocardiography
 - d) Endoscopy.

GROUP - B

(Short Answer Type Questions)

Write short notes any *three* of the following. $3 \times 5 = 15$

- 2. Blue baby
- 3. Holter monitoring
- 4. Cardiac resuscitation
- 5. TMT
- 6. Central monitoring system

GROUP - C

(Long Answer Type Questions)

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

- 7. Describe in detail, the Cardiac Cycle.
- 8. Describe various components of blood and its functions.
Explain the process of blood clotting. $4 + 3 + 8$

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9. Describe the following :

- a) Tetralogy of Fallot
- b) Myocardial Infarction
- c) Open heart surgery
- d) Valve Replacement
- e) Mitral valve stenosis.

10. Describe ECG with Colour Doppler. Discuss various leads of ECG. 9 + 6

11. Discuss Cardiac Arrest in detail.
