





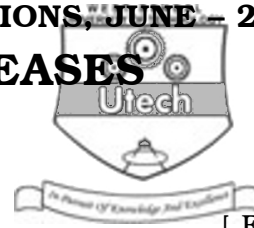
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ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009

**CARDIOVASCULAR DISEASES**

**SEMESTER - 6**



Time : 3 Hours ]

[ Full Marks : 70

**GROUP - A**

**( Multiple Choice Type Questions )**

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

i) Pulmonary Oedema means

- |                             |                           |
|-----------------------------|---------------------------|
| a) fluid in pericardium     | b) fluid in lungs alveoli |
| c) fluid in pleural chamber | d) fluid in legs.         |

ii) Mitral valve is also known as

- |                    |                      |
|--------------------|----------------------|
| a) Right A-V valve | b) Bicuspid valve    |
| c) Left A-V valve  | d) Semi Lunar valve. |

iii) Defibrillation means

- a) giving electric shock to revive cardiac function
- b) to prevent heart failure
- c) to lower blood pressure
- d) none of these.

iv) Angiogram means visualisation of

- |                 |                   |
|-----------------|-------------------|
| a) Heart valves | b) Veins          |
| c) Arteries     | d) None of these. |

v) Muscle of Heart is called

- |                |                  |
|----------------|------------------|
| a) Myocardium  | b) Pericardium   |
| c) Endocardium | d) all of these. |



vi) Artery of heart muscle is

- a) Cardiac artery
- b) Aorta
- c) Coronary artery
- d) Inf. V.C.

vii) Holter study is meant to

- a) record ECG for 24 hrs
- b) record BP for 24 hrs
- c) record pulse for 24 hrs
- d) record brain wave.

viii) Pulmonary artery contains

- a) Impure blood
- b) Pure blood
- c) Mixed blood
- d) None of these.

ix) Semi crnar valves are present between

- a) L. ventricle & aorta
- b) R. ventricle & pulmonary artery
- c) None of these.

x) Cardiac output means

- a) Hb pressure in blood
- b) amount of blood pumped by heart in one minute
- c) blood pressure of an individual
- d) amount of blood pumped by heart in one beat.

xi) Normal Pulse rate is

- a) 100 – 120 beats / min.
- b) 70 – 80 beats / min.
- c) 60 – 70 beats / min.
- d) None of these.



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**GROUP – B**

**( Short Answer Type Questions )**

Write short notes on any *three* of the following



3 × 5 = 15

2. CABG.
3. Mitral Stenosis.
4. Blue Baby.
5. Cardiac Resuscitation.
6. Temporary Pacing.

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* questions.

3 × 15 = 45

7. Discuss in brief the classical signs and symptoms of Heart disease. Write a short note on Biochemical changes in C.V. diseases.
8. What is ECG ? Briefly describe the characteristics of electrocardiographic waves. Write a short note on Lead system of electrocardiograph.
9. Discuss in brief the Basic Cardiac Investigation in clinical practice.
10. Explain the basic concept of cardiac failure and cardiogenic shock.

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END