

**PG Degree Examinations in General Medicine (MD) - June 2016**

**Paper I – Basic Sciences as Applied to General Medicine**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays: (20)**

1. A 50 year old male diabetic has presented with severe retro sternal chest pain. The electro cardiogram shows evidence of recent antero-septal infraction.

- List the various cardiac enzymes used for diagnosis. Describe the value of each of them in the diagnosis of acute coronary syndrome.
- Describe with the aid of a diagram the coronary circulation in a normal heart and indicate where the damage could have occurred in this patient.
- List the differential diagnosis in this patient.
- How would you manage this patient. (5+5+5+5)

**Short essays: (8x10=80)**

2. Thrombolysis of cerebral strokes.
3. Posterior brain circulation
4. Pharmacogenomics and its clinical applications
5. Causes for resistant hypertension
6. The pros and cons of hormone replacement therapy
7. Oxygen therapy
8. Neurological change that occur in chronic alcoholism
9. Polypills in medicine

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