

QP Code:101107

Reg.No.:.....

PG Degree Examinations in General Medicine (MD) - May 2013

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 65 year old NIDDM hypertensive patient for 10 years presented with sub acute onset of haematuria. He was on treatment with metformin, glimepiride, amlodipine and telmisartan. His blood pressure was 130/86 mg /Hg, HbA 1C was 7.2 %. Answer the following

- What are possible causes of hematuria in this patient
- Discuss the pathophysiology of renal involvement in diabetics and hypertension
- How will you plan to evaluate this patient
- How to treat a case of minimal charge glomerulonephritis

Short essays:

(10x8=80)

2. Pharmacogenomics, Altered Bioavailability.
3. Investigations for autonomic failure in special situations
4. Echocardiography and its clinical application
5. Mechanism of sleep and sleep disorders
6. Chi square test
7. Differential diagnosis and investigation of pancytopenia
8. Aetio-pathogenesis of malabsorption syndrome
9. Arterial blood gas analysis and causes of hypoxia
