

**QP Code: 101120**

**Reg. No.:.....**

**PG Degree Examinations in Family Medicine (MD) April 2018**

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

**Time: 3 hrs**

**Max marks:100**

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

**Essay: (20)**

1. A 35 years old man presents with fatigue for the past 1 week. His random blood sugar was found to be 340 mg/dL. Answer the following. (20)

- Describe briefly the pathophysiology of diabetes mellitus.
- How will you assess this patient for complications of diabetes mellitus
- How will you manage micro albuminuria
- Discuss the role of thiazolidinediones in management of diabetes mellitus. (6+4+4+6)

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

2. The aetiology, clinical features, investigations and management of macrocytic anaemia.
3. Discuss the classification, indications and complications of topical steroids.
4. The clinical anatomy, history, examination findings, investigations and management of lumbar intervertebral disc prolapse.
5. The pathophysiology of bronchial asthma and the use of inhalers for its treatment.
6. Discuss briefly the uses and limitations of ESR as an investigation. List the possible causes for a patient with an ESR of 90.
7. Describe briefly on the anatomy, pathophysiology, clinical features and management of fissure in ano.
8. The pathophysiology and clinical features of thyrotoxicosis.
9. Describe briefly about bilirubin metabolism and approach to a 70 years old man who presents with jaundice.

\*\*\*\*\*