

MBBS 2nd Professional Examination, 2012**PATHOLOGY****Paper – I**

Time Allowed : 2 Hours

Full Marks : 40

Use Separate answer script for each group*Attempt all questions. The figures in the margin indicate distribution of marks in each question.***Group – A**

1. A person suffering from type I Diabetes mellitus develop symptoms over 24 hours. Nausea, vomiting, severe thirst, polyuria. Complaining of abnormal pain, kushmal breathing with fruity odour on the patients breath, and abdominal tenderness is revealed on examination.
- What is your provisional diagnosis?
 - What laboratory diagnosis will be performed to establish the diagnosis?
 - Explain in short the pathophysiology of the condition.

Group - B

2. Comment on *any two* of the following: 5x2
- Significance of peripheral blood smear.
 - Transudate and exudate indicate different clinical conditions.
 - Presence of chronic inflammatory cells does not always indicates chronic inflammation, it has other hallmark too.

Group – C

3. Answer *any two* of the following : 5x2
- Pathogenesis of renal oedema.
 - Causes of unconjugated hyperbilirubinemia.
 - Peripheral blood and bone marrow picture of megaloblastic anemia.

Group – D

4. Write short notes on (*any two*): 5x2
- Difference between hypertrophy and hyperplasia.
 - Haemophilia.
 - Rh incompatibility.
 - Coagulation necrosis.