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Second Year BDS Degree Supplementary Examinations - February 2015

GENERAL PATHOLOGY & MICROBIOLOGY

Time: 3 hrs **Max marks: 100**

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 201002 Section A – Pathology Marks: 50

Essay **(14)**

1. Define and classify anemia. Describe the peripheral blood and bone marrow findings in megaloblastic anemia. (2+6+3+3=14)

Short essays **(2x8=16)**

2. Define edema and mention the types. Discuss the pathogenesis of cardiac edema. (2+2+4=8)
3. Define and classify diabetes mellitus. Discuss the pathogenesis of any one type of diabetes mellitus. (2+2+4=8)

Short notes **(5x4=20)**

4. Pyogenic osteomyelitis
5. Scurvy
6. Erythrocyte sedimentation rate
7. Pathological calcification
8. Type IV hypersensitivity reaction

Q P Code: 202002 Section B – Microbiology Marks: 50

Essay **(14)**

1. Classify mycobacteria. Describe the mode of infection, laboratory diagnosis and prevention of pulmonary tuberculosis (4+2+5+3=14)

Short essays **(2x8=16)**

2. List the organisms implicated in dental caries. Describe the role of cariogenic streptococci (4+4=8)
3. List the types of hypersensitivity reactions. Explain the mechanism of type I reaction(4+4=8)

Short notes **(5x4=20)**

4. Laboratory diagnosis of human immunodeficiency virus infection
5. Corynebacterium diphtheria
6. Enzyme linked immunosorbent assay
7. Prevention of hepatitis B infection
8. Anaerobic culture methods

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