

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