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Second Year BDS Degree Examinations - September 2012

**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 neoplasia with examples. Enumerate chemical carcinogens and discuss the pathogenesis of chemical carcinogenesis. (2+4+8=14)

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

2. Classify anemia. Discuss the aetiopathogenesis of sickle cell anemia. (4+4=8)
3. Define and classify embolism. Add a note on air embolism. (2+2+4=8)

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

4. Chronic myeloid leukemia
5. Packed cell volume
6. Actinomycosis
7. Vascular events of acute inflammation.
8. Complications of diabetes mellitus.

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

**Essay** **(14)**

1. Describe the pathogenesis and laboratory diagnosis of syphilis (6+8=14)

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

2. Describe the pathogenesis and laboratory diagnosis of infections caused by Herpes simplex viruses. (4+4=8)
3. Define hypersensitivity, types of hypersensitivity reaction. Describe the mechanism of anaphylaxis or type I hypersensitivity reaction . (1+2+5=8)

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

4. Candidiasis
5. Chemical disinfectants
6. Biologic functions of complement
7. Prophylaxis of polio
8. Drug resistance

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