

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