

2010 Scheme

Reg. No.:

Second Year BDS Degree Supplementary Examinations January 2020

General Pathology & Microbiology

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books (32 pages). Do not mix up questions from section A and section B.

Q P Code: 201002

Section A – Pathology

Marks: 50

Essay (14)

1. Define Apoptosis. Describe morphology and biochemical changes of apoptosis.
Tabulate the differences between apoptosis and necrosis. (2+7+5)

Short essays (2x8=16)

2. Define hypersensitivity. Write in detail on type I and type IV hypersensitivity. (2+3+3)
3. Define pathologic calcification. Mention the two types of pathologic calcification and enumerate differences between the two types with suitable examples. (2+2+4)

Short notes (5x4=20)

4. Leukemoid reaction.
5. Define amyloidosis and describe the physical and chemical characters of amyloid
6. Mention different types of edema and describe pathophysiology of renal edema.
7. Define anaemia. Write in detail the blood and bone marrow picture of megaloblastic anemia.
8. Mention the routes of metastasis. Give a note on tumour markers.

Q P Code: 202002

Section B – Microbiology

Marks: 50

Essay (14)

1. Describe in detail the morphology, pathogenesis and lab diagnosis of clostridium tetani. Add a note on DPT vaccine. (2+5+5+2)

Short essays (2x8=16)

2. Define sterilization. Classify methods of sterilization. Discuss autoclave. (1+3+4)
3. Name four opportunistic fungal pathogens. Write in detail about oral candidiasis. (2+6)

Short notes (5x4=20)

4. Hepatitis B virus
5. Anaphylaxis
6. Bacterial spore
7. Cell culture in virology
8. Viridans streptococci
