

**Second Year BDS Degree Examinations – July 2016****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 thrombosis. Discuss the aetio-pathogenesis, fate and complications of thrombosis. (2+2+7+3=14)

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

2. Define necrosis. List the different types of necrosis. Describe the morphology of each type with examples. (2+2+4=8)
3. Define neoplasia. Describe the modes of spread of malignant tumors with examples (2+6=8)

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

4. Primary tuberculosis
5. Steps in fracture healing
6. Hemophilia A
7. Sickle cell anemia
8. Erythrocyte sedimentation rate

Q P Code: 202002**Section B – Microbiology****Marks: 50****Essay****(14)**

1. Name the various classes of immunoglobulin. Describe the structure and functions of IgG. (3+4+7=14)

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

2. Describe the morphology of clostridium tetani. Add a note on prophylaxis of tetanus. (3+5=8)
3. Define sterilization. Add a note on the principle and functioning of autoclave (3+5=8)

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

4. Non-sporing anaerobes
5. Graft rejection
6. MMR vaccine
7. Lab diagnosis of hepatitis B infection
8. Cariogenic streptococci

