

Reg. No.:

Second Year B.Sc Optometry Degree Examinations – November 2015

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 80

- 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: 205013 Section A – Microbiology Marks: 40

Essay: (15)

1. Name the viruses transmitted through blood and body fluids. Describe in detail the laboratory diagnosis and prophylaxis of any one of them

Short notes: (2x5=10)

2. Free living amoebae
3. Moist heat methods of sterilization

Answer briefly: (6x2=12)

4. Ocular mycotic infections
5. Actinomyces
6. Clostridium tetani
7. Gram staining
8. Immunoglobulin G
9. AUTOIMMUNE DISEASES

One word answer: (3x1=3)

10. Name one aerobic gram positive BACILLUS
11. Name one selective media
12. Name ONE virucidal disinfectant

Q P Code: 206013 Section B – Pathology Marks: 40

Essay: (15)

1. Explain the pathogenesis and clinical features of tuberculosis. Add a note on its laboratory investigations

Short notes: (3x5=15)

2. Embolism
3. Retinoblastoma
4. Spread of malignant tumors

Answer briefly: (4x2=8)

5. Septic shock
6. Hemophilia
7. Four fungal infections of human being
8. Healing by first intention

One word answer: (2x1=2)

9. Normal specific gravity of urine
10. Type of anemia in vitamin B₁₂ deficiency
