

Reg. No.:

Second Year B.Sc Optometry Degree Supplementary Examinations
October 2017
MICROBIOLOGY AND PATHOLOGY
(2010 Scheme)

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. Classify bacteria on morphological basis and describe briefly bacterial anatomy

Short notes: (2x5=10)

2. Agglutination reaction
3. Laboratory diagnosis of pulmonary tuberculosis

Answer briefly: (6x2=12)

4. Bacterial toxins
5. Chronic amoebic keratitis
6. Loa loa
7. Delayed type of hypersensitivity
8. Herpes simplex virus infection
9. Measles

One word answer: (3x1=3)

10. Name the free living amoeba
11. Name any four subcutaneous mycotic infections
12. Name the commonly used disinfectants in hospital.

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Section B – Pathology

Marks: 40

Essay: (15)

1. Define inflammation. Mention the cardinal signs of inflammation. Describe the events in acute inflammation.

Short notes: (3x5=15)

2. Ocular changes in diabetes mellitus.
3. Define thrombosis. Describe briefly pathophysiology of thrombosis.
4. Methods used in pathology for diagnosis of cancer.

Answer briefly: (4x2=8)

5. Retinoblastoma
6. Types of necrosis.
7. Megaloblastic anemia.
8. Dysplasia.

One word answer: (2x1=2)

9. Causative organism of trachoma.
10. Two causes of lymphocytosis.
