

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
October 2018**

Pathology and Microbiology

(2014 scheme)

Time: 3 hrs

Max marks: 80

- Answer all questions
- Draw diagrams wherever necessary
- 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: 213013

Marks: 40

Section A: Pathology

Essay (10)

1. Define inflammation. Describe in detail the events in acute inflammation. What is granulomatous inflammation.

Short notes (3x5=15)

2. Classification of ocular tumors
3. Modes of spread of tumors
4. Differences between benign and malignant tumors.

Answer briefly (5x2=10)

5. Chronic myeloid leukemia
6. Embolism
7. Methods of hemoglobin estimation
8. Hereditary spherocytosis
9. Pancytopenia

Fill in the blanks (5x1=5)

10. Name two deficiency anemias,
11. Define necrosis
12. Mention two investigations for coagulation disorders,
13. Name two parasites causing infection,
14. Any two conditions causing neutrophilia,

(P.T.O)

Section B: Microbiology

Essay (10)

1. Define sterilization. Enumerate the different physical methods of sterilization. Describe briefly about the working of autoclave (1+3+6)

Short notes (3x5=15)

2. Type I hypersensitivity
3. Free living amoebae
4. Clostridia

Answer briefly (5x2=10)

5. MacConkey agar
6. Loa loa
7. Viral conjunctivitis
8. Pneumococci
9. Fungal stains

Fill in the blanks (5x1=5)

10. Two antiseptics,
11. Two bacteria causing keratitis,
12. Two opportunistic bacterial infections,
13. Holding temperature of hot air oven
14. Name two viruses transmitted through body fluids,
