

Reg. No.:.....

Second Year B.Sc Optometry Degree Examinations October 2017

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 (new scheme)

Marks: 40

Section A: Pathology

Essay

(10)

1. Define inflammation. What are the types of inflammation. Describe the cellular events of acute inflammation.

Short notes

(3x5=15)

2. Thrombosis
3. Leprosy
4. Cataract

Answer briefly

(5x2=10)

5. Retinoblastoma
6. RBC findings in iron deficiency anemia
7. Apoptosis
8. List the different methods of spread of tumors
9. Granuloma

Fill in the blanks

(5x1=5)

10. Name TWO anticoagulants
11. Define hyperplasia
12. Mention the bacteria causing conjunctivitis
13. Name TWO malignant tumors of mesenchymal origin
14. Any TWO conditions causing eosinophilia

(P.T.O)

Section B: Microbiology

Essay **(10)**

1. Define sterilization. Describe the principle and functioning of the autoclave **(2+8)**

Short notes **(3x5=15)**

2. Type I hypersensitivity reaction
3. Ocular filariasis
4. Subcutaneous mycoses

Answer briefly **(5x2=10)**

5. Immunoglobulin M
6. Pseudomonas
7. Pathogenic free-living amoebae
8. Antifungals used in eye
9. Bacterial spore

Fill in the blanks **(5x1=5)**

10. Name a motile gram negative bacillus
11. Name two sporicidal agents
12. Name one blood borne virus
13. Name two transport media
14. Name the culture media used to isolate mycobacterium tuberculosis
