

Reg. No.:.....

Second Year B.Sc Optometry Degree Examinations – November 2016

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 shock. Mention the organs affected in shock. Briefly explain the etiopathogenesis of septic shock

Short notes

(3x5=15 marks)

2. Difference between benign and malignant neoplasms
3. Primary wound healing
4. Retinoblastoma

Answer briefly

(5x2=10 marks)

5. Fate of thrombus
6. Leishmans staining
7. Collection of urine in laboratory
8. Plasma cell myeloma
9. Microscopy of tuberculosis

Fill in the blanks

(5x1=5 marks)

10. Which are the nutritional anemias
11. Define metaplasia
12. Mention the viruses causing conjunctivitis
13. Name TWO benign tumors of mesenchymal origin
14. Any TWO conditions causing neutrophilia

(P.T.O)

Section B: Microbiology

Essay (10)

1. Define and classify immunity. Describe acquired immunity with examples

Short notes (3x5=15 marks)

2. ELISA Test
3. Antibiotic sensitivity testing
4. Lab diagnosis of fungal infections of eye

Answer briefly (5x2=10 marks)

5. Immunoglobulin A
6. Methicillin resistant staphylococcus aureus (MRSA)
7. Ocular manifestations of adeno virus
8. Candida albicans
9. Actinomyces

Fill in the blanks (5x1=5 marks)

10. Name two gram positive cocci
11. Name two modes of transmission of HIV
12. Name a selective media
13. Name a protozoan affecting the eye
14. Name one autoimmune disease of the eye
