

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2024**

Pathology and Microbiology

(2014 scheme)

Time: 3 hrs

Max marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write Section A and Section B in separate answer books. Do not mix up questions from Section A and Section B*

Q.P. Code: 213013

Section A: Pathology

Marks: 40

Essay

(10)

1. Define inflammation. Describe the cellular and vascular events in inflammation. Briefly describe the chemical mediators of inflammation.

Short notes

(3x5=15)

2. Stages of shock
3. Leprosy
4. Tumors of the eye

Answer briefly

(5x2=10)

5. Plasma cell myeloma
6. Tests for ketonuria
7. Panophthalmitis
8. Atrophy
9. Vacutainers

Fill in the blanks

(5x1=5)

10. Caseous necrosis is seen in -----
11. Routine stain used for staining blood smear -----
12. Parasite causing conjunctivitis -----
13. Deficiency of vitamin B₁₂ causes ----- anemia.
14. Two chemical carcinogens -----

(P.T.O)

Q.P. Code: 214013

Section B: Microbiology

Marks: 40

Essay

(10)

1. Enumerate staphylococcal infections, and its lab diagnosis. Add a note on MRSA (5+5)

Short notes

(3x5=15)

- 2. Chemical disinfectants
- 3. Tric agent
- 4. Igm antibody

Answer briefly

(5x2=10)

- 5. Universal precautions
- 6. Ocular tuberculosis
- 7. Chronic amoebic keratitis
- 8. Anaerobic culture media
- 9. Window period.

One word answer

(5x1=5)

- 10. Name two blood borne viruses
- 11. Name two diseases transmitted by mosquitoes
- 12. Name two RNA viruses
- 13. Name two opportunistic fungus
- 14. Name two anti fungals used in eye
