

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
October 2021**

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

Marks: 40

Section A: Pathology

Essay (10)

1. Define inflammation. Mention the cardinal signs of inflammation. Write briefly about vascular and cellular events in inflammation.

Short notes (3x5=15)

2. Differences between benign and malignant tumours.
3. Leprosy.
4. Hypertensive retinopathy.

Answer briefly (5x2=10)

5. Pathogenesis of oedema.
6. Chalazion.
7. Hemophilia.
8. Staining characteristics of amyloid.
9. ESR.

Fill in the blanks (5x1=5)

10. Two causes of eosinophilia.....
11. Two fixatives used in histopathology laboratory.....
12. Two causes of blue sclera.....
13. Two examples of granulomatous diseases.....
14. Two viruses causing malignancies.....

(P.T.O)

Q.P. Code: 214013

Marks: 40

Section B: Microbiology

Essay (10)

1. Classify Mycobacteria. Describe the specimen collection and laboratory diagnosis of tuberculosis. (4+6)

Short notes (3x5=15)

2. Varicella- zoster virus
3. Mechanism of Immune complex diseases.
4. Congenital Toxoplasmosis

Answer briefly (5x2=10)

5. Transport medium
6. Inclusion bodies in viruses
7. Negative staining
8. Opportunistic fungal infections
9. Inspissation

Fill in the blanks (5x1=5)

10. Two examples for sporicidal disinfectants
11. Two examples for DNA viruses.....
12. Ocular Filariasis causing agents are
13. is a flagellated free living Amoeba
14. One example for pleomorphic bacteria.....
