

Reg. No.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2025
Pathology & Microbiology
(2016 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*

QP Code: 223013

Section A - Pathology

Marks: 40

Essay:

(10)

1. Define Thrombosis. Describe etiopathogenesis and fate of thrombus. (1+5+4)

Short Notes:

(3x5=15)

2. Describe the differences between benign and malignant tumors.
3. Describe peripheral smear finding in acute myeloid leukemia with diagram.
4. Healing by primary intention

Answer Briefly

(5x2=10)

5. Cataract
6. Anticoagulants
7. Benedict's test
8. Aspergillosis
9. Macrocytic anemia

One Word Answer

(5x1=5)

10. What is the type of necrosis seen in brain.
11. Name TWO sites of dystrophic calcification.
12. Negri bodies are seen in disease.
13. Fat embolism may occur as a result of
14. Hemophilia A is due to deficiency

(P.T.O)

QP Code: 224013

Section B: Microbiology

Marks: 40

Essay

(10)

1. Define sterilization and disinfection. Enumerate the different methods of moist heat sterilization. Describe in detail the working of autoclave. Mention its uses. (2+2+4+2)

Short Notes

(3x5=15)

2. Laboratory diagnosis of HIV infection
3. Type 1 Hypersensitivity
4. Pathogenic free living Amoebae

Answer Briefly

(5x2=10)

5. Bacterial spore
6. Candida albicans
7. Viral inclusion bodies
8. Ocular filariasis
9. Passive immunity

One Word Answer

(5x1=5)

10. Name two blood borne viruses
11. Name two sporicidal disinfectants
12. Name two transport media
13. Name two infections spread by droplets
14. Give one example of a pigment producing bacteria
