

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
February 2023**

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 Necrosis. What are the types of necrosis. Describe the morphology of each type of necrosis.

Short notes

(3x5=15)

2. Pathogenesis of Thrombus.
3. Vascular and cellular events in inflammation.
4. Pathogenesis of Tuberculosis.

Answer briefly

(5x2=10)

5. Factors affecting healing.
6. Pathological calcification.
7. CVC Liver.
8. Differences between benign and malignant tumors.
9. Differences between exudate and transudate.

Fill in the blanks

(5x1=5)

10. Two examples for Atrophy.....
11. Mention two sites for Red infarct.....
12. What is Pterygium.....
13. Name two types of Embolism.....
14. Metaplasia is

(P.T.O)

Section B: Microbiology

Essay **(10)**

1. Define Sterilization. Describe in detail the different methods of dry heat sterilization.

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

2. Pathogenic free-living amoebae.
3. Anaerobic culture methods.
4. Clinical features and complications of herpetic eye infection.

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

5. Sjogren's syndrome.
6. Agglutination reaction.
7. Rhinosporidiosis.
8. Coagulase test.
9. Significant bacteriuria.

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

10. Ophthalmia neonatorum is caused by ----
11. List two enveloped viruses ----, -----
12. Name the culture media routinely used for isolating fungus -----
13. Name a single stranded DNA virus -----
14. ----- causes river blindness.
