

Reg. No.:.....

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

**Section A: Pathology**

**Marks: 40**

**Essay**

**(10)**

1. Define Anaemia. How do you classify Anemia. Describe the causes and Lab findings of Iron deficiency anemia.

**Short notes**

**(3x5=15)**

2. Immune Thrombocytopenic Purpura (ITP)
3. Leukemoid Reaction
4. Leprosy

**Answer briefly**

**(5x2=10)**

5. Candidiasis
6. Infectious mononucleosis
7. Aplastic anemia
8. Chronic myeloid leukemia
9. Multiple myeloma-Peripheral smear and bone marrow findings

**Fill in the blanks**

**(5x1=5)**

10. Two causes for Eosinophilia.....
11. Two viral infections of the Eye.....
12. Two causes of megaloblastic anemia.....
13. Organism causing Typhoid.....
14. Two causes of Hemolytic Anemia.....

**(P.T.O)**

**Essay**

**(10)**

1. Discuss the various transmission methods of HIV. Describe the clinical features and laboratory diagnosis of HIV infection.

**Short notes**

**(3x5=15)**

2. Bacterial spore.
3. Laboratory diagnosis of fungal keratitis.
4. Staphylococcal toxins.

**Answer briefly**

**(5x2=10)**

5. Ocular Toxoplasmosis.
6. Structure of IgG.
7. Acquired immunity.
8. Pasteurization.
9. Enrichment media.

**Fill in the blanks**

**(5x1=5)**

10. ----- can cause exophthalmos.
11. Name the infectious disease diagnosed by Widal test -----
12. List two bacteria that cause eye infections -----, -----
13. Name a parasite causing Fugitive swelling -----
14. An example of an anaerobic bacteria -----

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