

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations  
January 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 Thrombosis. Describe the pathogenesis of Thrombosis. Enumerate the fate of Thrombus.

**Short notes**

**(3x5=15)**

2. Retinoblastoma
3. Wound healing
4. Apoptosis

**Answer briefly**

**(5x2=10)**

5. CLASSIFICATION OF ACUTE MYELOID LEUKEMIA.
6. Granuloma
7. ESR
8. Routes of metastasis of tumors.
9. Differences between Dry gangrene and Wet gangrene.

**Fill in the blanks**

**(5x1=5)**

10. Two examples for Hyperplasia -----
11. Mention two causes of Megaloblastic Anemia -----
12. Two organisms causing Conjunctivitis -----
13. Leukemia is -----
14. 2 chemical mediators of Inflammation -----

**(P.T.O)**

**Essay****(10)**

1. Define and classify hypersensitivity. Briefly describe Type 1 Hypersensitivity.

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

2. Ocular filariasis.
3. Laboratory diagnosis of Pulmonary Tuberculosis.
4. TOXOPLASMOSIS.

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

5. Antiseptics.
6. Viral inclusion bodies.
7. Candida albicans.
8. Transport media.
9. PROPHYLAXIS OF HEPATITIS B.

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

10. NAME 2 BACTERIA CAUSING KERATITIS. -----
11. Give an example of a capsulated fungi -----
12. List two bacteria causing nosocomial infection -----
13. Give an example of a continuous cell line -----
14. Name a pigment producing bacteria -----

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