

Reg. No.....

**Second Year B.Sc Optometry Degree Supplementary Examinations October 2021
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. Discuss the role of platelets and blood vessel wall in thrombus formation.

Explain the morphology and fate of thrombus. (2+4+4)

Short Notes:

(3x5=15)

2. Morphology and fate of primary tuberculosis

3. Retinoblastoma

4. Diabetic retinopathy

Answer Briefly

(5x2=10)

5. Ketonuria

6. Keratoconjunctivitis

7. Blood smear findings in iron deficiency anemia

8. Modes of tumor spread

9. Cataract

One Word Answer

(5x1=5)

10. Normal range of total leukocyte (WBC) count

11. What is an anticoagulant

12. Name two hemoparasites

13. Define anaphylaxis

14. What is hyperplasia

P.T.O

QP Code: 224013

Section B: Microbiology

Marks: 40

Essay

(10)

1. Define hypersensitivity. Describe in detail about type 1 hypersensitivity.

(2+8)

Short Notes

(3x5=15)

2. Anaerobic culture methods
3. Oculomycosis
4. Blood culture

Answer Briefly

(5x2=10)

5. Cold sterilization
6. Pneumococci
7. TORCH infections
8. Ocular Filariasis.
9. BCG vaccine

One Word Answer

(5x1=5)

10. Name two spore bearing gram positive bacilli.
11. Give two examples for autoimmune diseases affecting eye.
12. Name two DNA viruses.
13. Name one culture media used to isolate fungal pathogens.
14. Name two sporicidal disinfectants
