

Reg. No.....

Second Year B.Sc Optometry Degree Supplementary Examinations May 2023
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 acute inflammation. What are the cardinal signs of inflammation. Describe the vascular events of acute inflammation (2+2+6)

Short Notes:

(3x5=15)

2. Define Oedema. Write the differences between transudate and exudate
3. Define necrosis. Describe the types with examples
4. What are the differences between benign and malignant tumours

Answer Briefly

(5x2=10)

5. Blood picture of acute leukemia
6. Urinary sediments
7. Hypertensive retinopathy
8. List the fate of a thrombus
9. Lepromatous leprosy

One Word Answer

(5x1=5)

10. Name the most common anticoagulant used in hematology investigations
11. Name two most common tumours of eyeball
12. Name two ketone bodies seen in urine
13. Name an organism causing significant conjunctival scarring
14. Name two parasites detected in peripheral blood

(P.T.O)

QP Code: 224013

Section B: Microbiology

Marks: 40

Essay

(10)

1. Define sterilization and disinfection. Describe the principle and working of autoclave in detail

(4+6)

Short Notes

(3x5=15)

2. Antifungals used in the eye.

3. Mucormycosis.

4. Pre exposure prophylaxis for Hepatitis B infection.

Answer Briefly

(5x2=10)

5. Plasmids.

6. Acanthamoeba keratitis.

7. Define healthcare associated infection.

8. Epidemic keratoconjunctivitis.

9. Ocular tuberculosis.

One Word Answer

(5x1=5)

10. Name two acid fast bacteria.

11. Name four causes of mycotic keratitis.

12. Name two transport media.

13. Name two zoonotic infections.

14. Name two autoimmune diseases affecting the eye.
