

Reg. No.....

**Second Year B.Sc Optometry Degree Regular/Supplementary Examinations
September 2019
Pathology & Microbiology
(2016 Scheme)**

Time: 3 hrs

Max. Marks: 80

- **Answer all questions**
- **Draw diagrams 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 inflammation, etiology and pathogenesis of cell injury, morphological changes

Short Notes:

(3x5=15)

2. Edema
3. Leprosy
4. Wound healing

Answer Briefly

(5x2=10)

5. Basal cell carcinoma
6. RBC changes in iron deficiency anemia
7. Vitamin D Deficiency.
8. Retinitis pigmentosa
9. Hemoglobin estimation

One Word Answer

(5x1=5)

10. Name two anticoagulants
11. Name two granulomatous condition
12. Two causes for eosinophilia
13. Examples for hypertrophy
14. Two chemical carcinogens

P.T.O

QP Code: 224013

Section B: Microbiology

Marks: 40

Essay

(10)

1. Define sterilization. Enumerate the methods of sterilization and disinfection. Describe the moist heat sterilization methods and their uses (1+4+5)

Short Notes

(3x5=15)

2. Oculomycosis
3. Hepatitis B
4. Infection control measures

Answer Briefly

(5x2=10)

5. Diphtheria
6. Herpes virus
7. Gram staining
8. Haemophilus aegyptii
9. Immunoglobulins

One Word Answer

(5x1=5)

10. Name two bacterial culture media
11. Name two parasites infecting eye
12. Name two drug resistant bacteria
13. Name two diseases caused by pseudomonas
14. Name two anti HIV drugs
