

Reg. No.....

**Second Year B.Sc Optometry Degree Supplementary Examinations April 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. Briefly discuss the cellular and vascular events in acute inflammation. What is the outcome of acute inflammation. How does it differ from chronic inflammation. (4+3+3)

**Short Notes:** (3x5=15)

2. Modes of spread of malignant tumors with suitable examples
3. Cataract
4. Necrosis

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

5. TORCH organisms
6. Dystrophic calcification
7. Vitamin A deficiency
8. Immunoglobulins
9. Uveal melanoma

**One Word Answer** (5x1=5)

10. Name two ocular parasites
11. What is atrophy
12. Name four ocular complications in diabetes mellitus
13. Name four types of leukemia
14. What is an abscess

**P.T.O**

**QP Code: 224013**

**Section B: Microbiology**

**Marks: 40**

**Essay**

**(10)**

1. Describe the methods of moist heat sterilization. How do you monitor the effectiveness of sterilization by autoclave.

**(7+3)**

**Short Notes**

**(3x5=15)**

2. Delayed hypersensitivity
3. Opportunistic fungal infections of eye
4. Congenital toxoplasmosis

**Answer Briefly**

**(5x2=10)**

5. Transport media
6. Methicillin resistant staphylococcus aureus
7. Sequestered antigens
8. Acanthamoeba
9. Prophylaxis for hepatitis B infection

**One Word Answer**

**(5x1=5)**

10. Name two gram positive cocci
11. Name two diseases caused by pseudomonas
12. Enumerate two viruses causing ocular infections
13. Name the staining method used for mycobacterium tuberculosis
14. Name two antifungal antibiotics used in eye infections

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