

Reg. No.:.....

Second Year B.Sc Optometry Degree Supplementary Examinations April 2017

Pathology and Microbiology

(2014 scheme)

Time: 3 hrs

Max marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**
- **Write Section A and Section B in separate answer books (32 pages). Do not mix up questions from Section A and Section B**

Q.P. Code: 213013 (new scheme)

Marks: 40

Section A: Pathology

Essay

(10)

1. Define neoplasia. Describe in detail the modes of spread of tumors. Mention the gross and microscopic differences between benign and malignant tumors

Short notes

(3x5=15)

2. Leukemia
3. Embolism
4. Urine examination

Answer briefly

(5x2=10)

5. Fate of thrombus
6. Leprosy
7. Anticoagulants in hematology
8. Ocular manifestations of diabetes mellitus
9. Granuloma

Fill in the blanks

(5x1=5)

10. Name TWO hemolytic anemias
11. Define apoptosis
12. Mention TWO investigations for bleeding disorders
13. Name TWO fungi causing infection
14. Any TWO conditions causing eosinophilia

(P.T.O)

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Marks: 40

Section B: Microbiology

Essay

(10)

1. Enumerate the fungi causing superficial mycoses. Add a note on opportunistic fungal infections

Short notes

(3x5=15)

2. Type IV hypersensitivity reaction
3. Toxoplasmosis
4. Ocular manifestations of herpes simplex virus

Answer briefly

(5x2=10)

5. Haemophilus
6. Immunoglobulin G
7. Lacto phenol cotton blue mount (LPCB)
8. Causative agents of viral conjunctivitis
9. Blood agar

Fill in the blanks

(5x1=5)

10. Name two virucidal agents
11. Name two gram negative cocci
12. Name a capsulated bacterium
13. Name two bacterial vaccines
14. Name the antigen used for diagnosing HIV during window period
