

Reg. No.:

Second Year B.Sc Optometry Degree Supplementary Examinations - April 2013

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 80

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 205013

Section A - Microbiology

Marks: 40

Essay:

(15)

1. Name the common fungal pathogens affecting the eye. How will you diagnose them in the microbiology laboratory (5+10=15)

Short notes:

(2x5=10)

2. Coagulase test
3. Toxoplasmosis

Answer briefly:

(6x2=12)

4. Gram staining
5. Oxidase test
6. Hepatitis C virus
7. Blood agar
8. Antiseptics
9. Antibiotic sensitivity tests

One word answer:

(3x1=3)

10. Lactose fermenter
11. Chemical disinfectant
12. Pigmented bacteria

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Section B - Pathology

Marks: 40

Essay:

(15)

1. Define inflammation. Mention different types of inflammation. Describe in detail the events in acute inflammation

Short notes:

(3x5=15)

2. Thrombosis
3. Pneumonia
4. Retinoblastoma

Answer briefly:

(4x2=8)

5. Routes of spread of malignant tumors
6. Enumerate four common fungal infections of human beings
7. Leukemia
8. Healing by first intention

One word answer:

(2x1=2)

9. Type of embolism seen in deep divers
10. Type of necrosis in tuberculosis
