

Second Year B.Sc Optometry Degree Supplementary Examinations - May 2014

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 80

- Answer all questions
- 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: 205013

Section A – Microbiology

Marks: 40

Essay:

(15)

1. Classify hepatitis viruses. Describe the mode of transmission, laboratory diagnosis and prophylaxis of hepatitis B virus infection.

Short notes:

(2x5=10)

2. Autoimmunity
3. Mycotic infections of eye

Answer briefly:

(6x2=12)

4. AFB staining
5. Viral infections of eye
6. Chlamydia trachomatis
7. Cultivation of viruses
8. Acanthamoeba
9. Bacterial spore

One word answer:

(3x1=3)

10. Example for live attenuated vaccine
11. Drug of choice for gram positive organisms
12. Antifungal drug

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Section B – Pathology

Marks: 40

Essay:

(15)

1. Define granuloma. Explain the pathogenesis and clinical features of tuberculosis. Enumerate complications of pulmonary tuberculosis

Short notes:

(3x5=15)

2. Steps in tissue processing
3. Routes of metastases
4. Types of oedema

Answer briefly:

(4x2=8)

5. Causes of neutrophilia
6. Retinoblastoma
7. Common fungal infections of eye
8. Metaplasia

One word answer:

(2x1=2)

9. Two clearing agents
10. Normal specific gravity of urine