Second Year B.Sc Optometry Degree Regular/Supplementary Examinations February 2022

Pathology and Microbiology

(2014 scheme)

Time: 3 hrs   Max marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write Section A and Section B in separate answer books. Do not mix up questions from Section A and Section B*

Q.P. Code: 213013   Marks: 40

Section A: Pathology

Essay   (10)

1. Define neoplasia. What are the differences between benign and malignant tumors. Write briefly about routes of spread of tumors.

Short notes   (3x5=15)

2. Thrombosis.

3. Wound healing.

4. Retinoblastoma.

Answer briefly   (5x2=10)

5. Peripheral smear and bone marrow picture in multiple myeloma.

6. Differences between necrosis and apoptosis.

7. Ghon's complex.

8. Metaplasia.

9. Pterygium.

Fill in the blanks   (5x1=5)

10. Two causes for microcytic hypochromic picture………………..

11. Two anticoagulants used in hematology laboratory………………

12. Two examples of hyperplasia………………

13. Two causes for cherry red spot in macula………………

14. Name two casts seen in urine…………………..

(P.T.O)

Section B: Microbiology

Essay   **(10)**

1. Enumerate the agents causing ocular fungal infections. Write in detail about the sample collection, transport and laboratory diagnosis of mycotic keratitis.   (4+6)

Short notes   **(3x5=15)**

2. Cytomegalovirus

3. Bacterial spore

4. Amoebic keratitis

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

5. Hand hygiene

6. Staphylococcal infections

7. TORCH infections

8. Inclusion conjunctivitis

9. High level disinfectants

Fill in the blanks   **(5x1=5)**

10. Two examples for Acid fast bacilli are…………………

11. Ophthalmia neonatorum is caused by. ……………..

12. VDRL test is used for the diagnosis of…………………

13. Parasite causing Calabar swelling is………………

14. Mode of transmission of Polio virus is ………………

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