Reg. No……………………………

Second Year B.Sc Optometry Degree Regular/Supplementary Examinations February 2022
Pathology & Microbiology
(2016 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*

QP Code: 223013   **Section A - Pathology**   **Marks: 40**

Essay: **(10)**

1. Define inflammation. What are the four cardinal signs of inflammation. Differentiate between wound healing by primary intention (primary union) and by second intention (secondary union). What is granulation tissue.   (2+2+4+2)

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

2. Trachoma and inclusion conjunctivitis
3. Type I hypersensitivity (anaphylactic reaction)
4. Retinoblastoma

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

5. Neutrophilia
6. Embolism
7. Blood smear findings in iron deficiency anemia
8. Definition of neoplasia
9. List the types and causes of cataract

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

10. Name two parasitic infections of eye
11. Name two malignant ocular neoplasms
12. What is thrombocytopenia
13. Define necrosis
14. Write two causes of proteinuria

Essay   (10)

1. Classify the various agents used in sterilization. Describe the principle, functioning and uses of autoclave.   (3+7)

Short Notes   (3x5=15)

2. Ocular filariasis

3. Dermatophytes

4. Anaphylaxis

Answer Briefly   (5x2=10)

5. Viral inclusion bodies

6. Bacterial spore

7. Standard precautions

8. Pathogenic free living amoebae

9. Mucormycosis

One Word Answer   (5x1=5)

10. Name the bacteria seen with cuneiform arrangement.

11. Write two examples for autoimmune diseases of eye

12. Name two anaerobic culture media.

13. Name two virucidal disinfectants.

14. Name two viruses causing ocular infection

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