

# 2010 Scheme

Reg. No.: .....

## Second Year BDS Degree Supplementary Examinations April 2024

### General Pathology & Microbiology

Time: 3 hrs

Max marks: 100

- 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 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: 201002      Section A – Pathology      Marks: 50**  
**Essay      (14)**

1. Mention the various mediators of acute inflammation. Write in detail about chemical mediators and fate of inflammation. (4+8+2)
- Short essays      (2x8=16)**

2. Define Embolism. Mention the types of Embolism. Discuss about Air Embolism. (2+2+4)
3. Define Metastasis Discuss in detail the pathways of spread of cancer. (2+6)

**Short notes      (5x4=20)**

4. Gangrene
5. Von Willebrand disease
6. Bleeding Time
7. Osteosarcoma
8. Vitamin C deficiency

**Q P Code: 202002      Section B – Microbiology      Marks: 50**  
**Essay      (14)**

1. Classify Clostridia. Discuss in details the aetiology, pathogenesis and laboratory diagnosis of Gas Gangrene. (3+1+5+5)

**Short essays      (2x8=16)**

2. Enumerate various types of Antigen Antibody reaction. Add a note on ELISA. (2+6)
3. Enumerate various methods of dry heat sterilisation. Add a note on Hot Air Oven, its function and quality control. (2+4+2)

**Short notes      (5x4=20)**

4. Laboratory diagnosis of Candida infection.
5. National Immunisation Schedule.
6. Laboratory diagnosis of Intestinal Amoebiasis.
7. Laboratory diagnosis of Hepatitis B.
8. Mechanism of antibiotic resistance and its prevention.

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