

**Atal Bihari Vajpayee Medical University, UP.**  
**B.Sc. Medical Lab Technology (BMLT) - First year**  
**Subject: GENERAL PATHOLOGY & GENERAL MICROBIOLOGY**  
**Paper code 211110201**

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**Time: 3 hours**

**Total marks: 80**

**General instructions:**

- All questions are compulsory
- Explain with diagrams where required
- The number to the right indicates full marks
- Please write the correct paper code
- Be to the point. No extra copy shall be provided

Q. 1. Write in detail about (2 x 20 = 40 marks)

- a) Different types of inflammation with suitable example/s
- b) What is staining? Describe different types of staining used in microbiology?

Q. 2. Write short answer on: (2 x 10 = 20 marks)

- a) Describe cell death along with its different types
- b) Write in detail about morphology of bacteria

Q. 3. Write short notes on: (5 x 4 = 20 marks)

- a) Define neoplasia
- b) What do you understand by 'haemorrhage'
- c) Define the word 'cellular adaptation'
- d) Define role of sterilization in microbiology
- e) What do you understand by the word 'batch culture'

*Total time allotted 3 hours*