

**Atal Bihari Vajpayee Medical University, UP.**  
**B.Sc. Medical Lab Technology (BMLT) - First year**  
**Subject: HAEMATOLOGY**  
**Paper code 211110202**

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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) **What is anemia? Write in details about of different type of anemia and their causes.**
- b) **Define the term plasma? How plasma is different from serum?**

**How you will separate plasma from blood?**

Q. 2. Write short answer on:

(2 x 10 = 20 marks)

- a) What is haemolysis of blood? Explain in brief.
- b) **Explain the cell composition of normal adult bone marrow.**

Q. 3. Write short notes on:

(5 x 4 = 20 marks)

- a) Mechanism of iron absorption
- b) **Characteristics of a good technician.**
- d) **What do you understand by lab request form?**
- e) **Explain the effect of storage on blood cell morphology**

*Total time allotted 3 hours*

*19<sup>th</sup> April 2022*