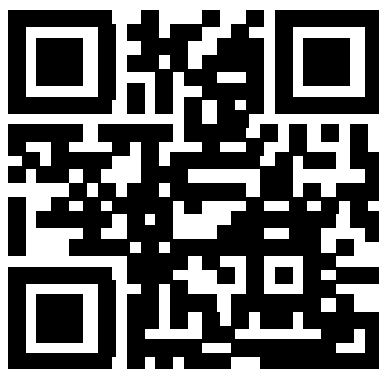


# DAMS 1<sup>st</sup> YEAR



**SUBJECT – BIOCHEMISTRY**

**F.M. = 100**

**Session: 2025-26**

**Online Study Question File Paper  
By bafeducational.com**

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**SECTION – A LONG ANSWER QUESTIONS**

**(10x4 = 40)**

1. Define enzymes. Explain factors affecting enzyme activity.
2. Describe Glycolysis with diagram and significance.
3. Explain protein metabolism and urea cycle in detail.
4. Describe structure and functions of DNA and RNA.

**SECTION – B SHORT ANSWER QUESTIONS**

**(5x10 = 50)**

5. Write short note on Vitamins.
6. Explain Liver Function Test (LFT).
7. Define pH and Buffer system.
8. Explain Beta oxidation of fatty acids.
9. Write functions of carbohydrates.
10. Describe plasma proteins.
11. Explain importance of water in human body.
12. What are amino acids? Classify them.

**SECTION – C VERY SHORT ANSWER QUESTIONS**

**(2x10 = 20)**

13. Define Biochemistry.
14. What is ATP?
15. Name two fat soluble vitamins.
16. What is Hemoglobin?
17. Define metabolism.
18. What is ketosis?
19. Define denaturation of protein.
20. What is glycogen?
21. Name two essential amino acids.
22. What is normal blood glucose level?

**SECTION – D MULTIPLE CHOICE QUESTIONS (MCQ)**

23. The powerhouse of cell is:
  - a) Nucleus
  - b) Ribosome
  - c) Mitochondria
  - d) Lysosome
  
24. Vitamin C deficiency causes:
  - a) Rickets
  - b) Scurvy
  - c) Beriberi
  - d) Night blindness