

**Second Semester B.Sc Nursing Degree Regular Examinations  
February 2023  
Paper I – Applied Biochemistry and Applied Nutrition & Dietetics**

**Time: 3 Hrs**

**Total Marks: 75**

- *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 (32 Pages). Do not mix up questions from section A and section B*

**Section A – Applied Biochemistry**

**Q.P. CODE: 221010**

**Max. Marks: 25**

**Multiple Choice Questions**

**(4x1=4)**

**(choose the most appropriate answer from the options given)**

1. Ketone bodies are formed from  
a) Acetyl CoA            b) Glycine            c) chylomicron            d) Glucose
2. Which vitamin is derived from cholesterol given below  
a) Vitamin A            b) Vitamin B            c) Vitamin C            d) Vitamin D
3. Breakdown of Haemoglobin occurs in  
a) 100 days            b) 110 days            c) 120 days            d) 130 days
4. Carbohydrate digesting enzyme present in mouth is  
a) Amylase            b) Pepsin            c) Sucrase            d) Elastase

**Short notes**

**(3x5=15)**

5. Explain the regulation of blood glucose level.
6. Give an account on Plasma proteins
7. Renal Function Tests

**Differentiate the following**

**(3x2=6)**

8. ALT and ALP
9. MUFA and PUFA
10. Diabetes and Jaundice

**(PTO)**

