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**School of Nursing**  
**Bachelor of Science in Nursing**  
**Mid Term Examination - May 2024**

**Duration : 90 Minutes**

**Max Marks : 30**

**Sem II - BIOC135NUTR140 - Applied Biochemistry and Applied Nutrition and Dietetics**

*General Instructions*

*Answer to the specific question asked*

*Draw neat, labelled diagrams wherever necessary*

*Approved data hand books are allowed subject to verification by the Invigilator*

- 1) State what is nutrition. K1 (1)
- 2) Identify by giving a suitable example what could be the significant source of carbohydrates in the diet. K1 (1)
- 3) State by giving a suitable example what animal products can be considered NOT the significant source of the protein? K1 (1)
- 4) Associate what can be the primary cause of Protein-energy malnutrition (PEM)? K1 (1)
- 5) State What is the chemical composition of proteins K1 (2)
- 6) Generalize the difference between Energy Yielding and non-energy-yielding food. K2 (2)
- 7) Discover at least 4 classifications of Protein Energy malnutrition. K2 (2)
- 8) Explain the role of insulin and glucagon in the regulation of blood glucose levels. K5 (5)
- 9) Explain some examples of how various physiological and environmental factors, such as food intake, physical activity, stress, and hormonal imbalances, influence the secretion and action of insulin and glucagon." K5 (5)
- 10) Recommend the Role of nutrition in maintaining health and also examine the Factors affecting Food and Nutrition K5 (10)