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**B.Sc. (MLS) (2011 to 2017) (Sem.-2)**

## BIOCHEMICAL METABOLISM

**Subject Code : BMLS-205**

**Paper ID : [D1121]**

**Max. Marks : 60**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

**1) Answer all of them :**

- What is the function of lipids?
- What is ribozyme?
- Name two sulphur containing amino acids.
- Define oligosaccharides.
- What is the end product of protein metabolism?
- What is full form of ATP?
- Pentoses are formed by which pathway?
- What is end product of purine metabolism?
- What is role of glucokinase?
- What do you mean by active site of an enzyme?

### SECTION-B

- 2) What are the main roles of unsaturated fats and saturated fats in our body?
- 3) Explain how protein can be used for energy.
- 4) Discuss mechanism of enzyme action.
- 5) Explain the processes and regulation of glycogenesis.
- 6) Discuss the process of beta oxidation.

### SECTION-C

- 7) Explain how glucose is metabolized to yield ATP.
- 8) Describe how the body digests proteins.
- 9) Give nomenclature of enzymes. Discuss various inherited human diseases which are as a result from a deficiency of a particular enzyme.