

**Answer all the following questions.**

**I. Enumerate:**

**(15 Marks)**

1. Causes of obstructive jaundice.
2. Anti-insulin hormones.
3. Causes of steatorrhea.
4. Causes of hypercholesterolemia.
5. Functions of proteins.

**II. Give an account of:**

**(30 Marks)**

1. Importance of GAGs.
2. Gluconeogenesis (definition and importance).
3. Functions and deficiency manifestations of vitamin A.
4. Management of ketosis.
5. Treatment of Gout.
6. The difference between hypoglycemic and hyperglycemic coma.

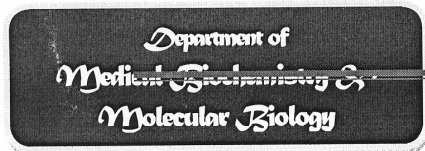
**III. On biochemical base explain:**

**(15 Marks)**

1. Liver function tests related to protein metabolism.
2. Eating fava beans sometimes produces hemolysis.
3. Causes of metabolic acidosis.

\*\*\*\*\* Good Luck \*\*\*\*\*

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