

LONG ESSAY**1 X 10 = 10 Marks**

1. Describe the following aspects of citric acid cycle:
 - a) Reactions
 - b) Energetics
 - c) Regulation
 - d) Functions

SHORT ESSAY**3 X 5 = 15 Marks**

2. Classify lipids giving an example for each class.
3. Write coenzyme form, one function and one deficiency disorder of the following vitamins:
(a) Thiamine (b) Niacin (c) Ascorbic acid (d) Folic acid (e) Riboflavin
4. Describe digestion & absorption of proteins in GIT.

SHORT ANSWERS**5 X 2 = 10 Marks**

5. Write a note on absorption of calcium from GIT.
6. Define transamination. Give an example.
7. What is BMR? Write two factors affecting BMR.
8. Give the range for normal blood pH. List out two conditions leading to respiratory acidosis.
9. What is ketoacidosis? Name two conditions leading to it.

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