

Choose one of the following research topics:

Research 1

Discuss the following points in details:

1. Metabolic and Hormonal regulation of blood glucose.
2. Metabolism of ketone bodies.
3. Metabolism of urea.
4. Metabolism of vitamin A
5. Causes, types and treatment of obesity
6. Give an account on:
 - a. Calorie and caloric value of foods
 - b. Respiratory quotient, discuss its significance, uses and factors that affect it.
 - c. Specific dynamic action of food.
7. Parasites may cause mal-absorption and/or electrolyte disturbance in man:
 - a. Enumerate these parasites
 - b. Compare between them as regard morphology, life cycle, mode of infection, pathogenesis, clinical picture, diagnosis and treatment.

Research 2

Discuss the following points in details:

1. Metabolic and Hormonal regulation of blood glucose.
2. Metabolism of Cholesterol.
3. Jaundice
4. Metabolism of vitamin D
5. Basal metabolic rate, how can it be measured and give an account on factors that affect it
6. The thermoregulatory system
7. Parasites may cause mal-absorption and/or electrolyte disturbance in man:
 - a. Enumerate these parasites
 - b. Compare between them as regard morphology, life cycle, mode of infection, pathogenesis, clinical picture, diagnosis and treatment.

Research 3

Discuss the following points in details:

1. Metabolic and Hormonal regulation of blood glucose.
2. Metabolism of Ammonia.
3. Gout
4. Metabolism of vitamin C
5. Control of food intake
6. Mechanism of fever, and give account on the dangers of hypothermia and hyperthermia
7. Parasites may cause mal-absorption and/or electrolyte disturbance in man:
 - a. Enumerate these parasites
 - b. Compare between them as regard morphology, life cycle, mode of infection, pathogenesis, clinical picture, diagnosis and treatment.