General Science

What is role of Carbohydrate and Vitamins in the body? Discuss briefly Attempt on lined loose sheets for better practice

Q#4(a) Css 2024

## CARBOHYDRATES:

Introduction to causehydrates:

the word 'carbohydrate' literally mean hydrated carbon. Carkohydrates are the abundantly occurring biomolecules in The living organisms. They are the key lources of energy for human leady providing 3.9 Calous of energy per gram chemically polyhydroxy Aldehydes or ketones or complex substances that giet on hydrolysis yields polyhydroxy aldehyde or ketones subunits.

I have of carbohydrates in bedy:

- Carbohydiales are che f source of energy. In some animals, they are instant source of energy. Glucose is broken down by bylycolyco Krebyle to yield ATP.

- carbohydiate aid the equiation of new tissues and is energy source for brain.

- carbohydiates are sich in fibre content so, it helps from constipation.

· - Carbohydiates are main sonstituents of connective tissue of animals.

- 100 gram of carbohydrates are needed by a person per day.

- carbohydrates form structural and protective components, like in cell wall of plants and micro--organisms.

·- Carbohydiates also get associated with lipid and protein to form suface antigens, receptor moreules, Vitamins and antibiotics. Introduction to Vilamins: Vitamins are the organio important for do not provode energy but are physiological and metablic There are 13 vitamins essential for the normal functioning of body. hale of Vitamins in body: .- Vitamins build up resistance of the body against diseases. Vitamins prevents diseases coused by deficiency.
Vitamins helps in digestion and utilization of mineral Salts and cartohydrates in the body. - They help in maintaining epithelial tissues and enhancing immune system. - They also stimulates and strengthten the ligestive and newous system. - Vitamine supports normal growth and develop-- ment. important for carbohydrate, fat, nucleur acid metabolism. · - Vitamins are energy.