Mention the full question statement for proper evaluation. Without that these are just notes abundant organic and cannot be awarded marks primarily compo-The name carbohydrale Uterally means.

Mydrale of carbono Carbohydrales can de défined as Polyhydroxyaldehyder or kiloner or compounds which produce them on hydrolysis?"

Choracteristics:most abundant dellorg source of · They ore for all organisms · They also serve as storage form of energy (glycogen) to meet the intediale energy demands of pody. stational components of many They are organisms of cell Carbohjetrain participale in structure membrane and cellular functions such cell growth and testilization. Classification: Classified was 3 major Groups Mono saccharides DIBO Charides Poly sau horside

Monosacchorides: Referred as simple sugar They cannot further hypolysed Monosauharis based on functional group and rategor, based on no of sibon alon morosaccharider are referded as triosur (31) tel rosa (40) pentose (50) hences (80) And 2 functional group aldehyde Glucose: - is most abudon monosachande In human body: It is 6 corbon sugar. Other carbohydrain that are absorbed by body most be converted to glucose before body can break I down for where an Fruntose is most abundant carpolydrall in fruits Fructose is also 6 Corbon Sugar Draw the structures as Disacharidu: When two monosaccharides ore bonded together a disacchoride is tormed And this proces is known as dehydration Synthesis. 3 common disaccharies Lactore, Sucrose, maltose

Lactore is composed of glucose and galactore Lactore enzyme is required for oligestion of Lactor People who buck this enzyme are said to lactose into terant and they annot digest milk. Survose composer of glucose and Maltose is composed at 2 glusse molecules Disaccharides like monosaccharides ore soluble in water, but they are too big to pass through cell membrane Polysacchorides:

are polymers of monosaccharide
units with high molecular waight. They are usually tasteless. Polysacchorider are of 2 types.

Nomopolysaccharies on hydrolysis

yield only a sigle type of monosac

-charide. Examples are storch, Etycogen and cellulose. Starch: is corbohydrate reserve of plants which is most important dietary Source for higher animal including

Cellulox: occur exclusively in plants and it is most abundant organic substance in plant kindgom Ecllulose Glycogen: often called animal stout 2) Heteropolysaccharides - on hydrolysis
yield a miniure of a few mossace - horider or their derivatives PROTEINS Proteins are most abundant organic molecule of living system. They occur about 50% of cellula body weight Name protein doised from proteiss meaning prime impostance.
Characteristics: They are polymer at Amino Acid
Colourless and tasteless They are higher molecular weight biomolecules phosphorous, Iron, copper They contain phosphorous, Iron, copper sulphus, zinc etc

Boteins are predominently constituted by five major elements Carbon, Hydrogen, Oxygen, Nitrogen and Sulphur days Classification: => Based on Structure of Protein. · Primary protein: Linear sequence of amino-oud that make polypopticle chain · Secondary protein: spatal arrangement of protein by twining of polypep-tide chain escees ton of a functional protein. => Based on physical-chemical properties.
· Simple protein: made up of only one type of amino acid. They see most globular type of potes eg Albumin, Globuling Collagen. They are most abundant protein in animal kinddom. · Compound or conjugated protein:Proteins which are attached to some non-protein groups example de

phospho protein.

Derived protein:

Which are clesived from simple
or conjugated preins end enzymes

peptones, only peptide. Add sources as well Lipids. Lipids are of great importance to body as the chief concentraced storage form of energy, beside their sole in cellular structure and various other biochemical reactions Lipids may be agarded as insoluble in water organic substance.

They are soluble in organic substance solvents. Fats, Oils and steroids are most important lipids found in nature.
Lipids and poor conductor of heat.
They use in manufacturing of soap. detergents. Clasification: Simple Lipicis: - Esters of fatty acid with alcohols Mainly of 2 types.

(a) Fats and oil (b) Waxer

Characteristics?? Sources?? · Complex or compound lipids: They are esters of failty acid with akohol containing additional group such as phosphate mitrogenous base carbohjdrates, proteix etco a Phospholipids. (b) Glycolipids (d) other complex lipids.

Derived lipids: These are substance orived from Simple and compound lipids by hydrolyis eg vitamin D and Texpener Lipids words is derived from lipids mean fat black of lipids are Farty acid, glycerol and sterols