Attempt on lined loose sheets for What a bettempraicition us Corbohydrate Definition) are the body 1 Princey fod. Carbohydrate are office compounds combosed of carbon, hydrogen, oxygen, the tato of oxygen and hydrogen in carbohydrate is some as water the 2:1Ch (400) n is the gonesic formula for all carbolydiches-Wollford says 45% to 65% of Calories per day should come from carbohydated-Carbo hydrote serves as the fremany function of cells, tissues, and organs rple contohydrate conflex Simple Poly Sachardes Monesaccharder pisaccharide Starches Maltose Chlocose Lactice GUL8012 Galactore Draw the structures as well

Simple Carbo hydrate): Simple carbobyhody me baric types of carbo: There are the simplest form of carbon hid tes, consisting of a sight dopen male out - Enumples indode. · Grovere: A primer energy source for the footoper found in truits and honey -. Coalacture: Part of Lacture found in Wille-2 - Dissouhavider. These consist of two mono sauchavides mole cules linked together, Examples Unelode: · Sucrose: Common table sujer, composed of slucose . Lactose: 810 core and fractore of slucose of slucose and all tosa tosa of stains. composed of two glocose malecoles -(Complen Carbo hydrate) Complex carbohydrate represent an Important endfy source for the body-They provide the sostained feel the Lody needs for enercise, daily living activities and even yest -Poly sacchemide: There are compien combetyday composed at long changs of muso southernide ouilscomposed at long changs of muso southernide ouilsexamples I nelved e:

Examples I nelved e:

Correction animals,

Colycotenia of peral structural component of

Cellulose of Structural component of

Plant cells walls — Indigestible by homens, but Provides dietary fiber -

Improve the hand writing and the paper presentation

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0

Daary Products-Togort, Mille, Ice-seem.
Proits - fruit juice, Whole Proit-· Grains - Cested, Break / Wheat, Rice · legomes - Plant boyed rodeing, Beaus-. Starchy Vegetable - Corn, Potatoes -

Proteins Definition) Prodeins are large compler molecules mode up of amino ands, which are organic group, and a ownfue nac chain-Proteins are eprent a for various bedily functions, Inchang building and repairing firms, Producing engines and harmones and Supporting Immune function classification of Proteins Mature of Molecula Constitution Shape Conjugated Prodein gimple Protains Baric Globular Librous Proteins Pooteins nobuling Prolaming Chamo Bateins Espateing Nucleo Perteins Moco Perteins Colyce Bodein Metallo Classification of Proteins is done on the following -In the basis of Shape: Pd there proteins In water. in aremale and are trotable in water.

Collegen action myorin 1 keration in hair feethers e.t.C.

3 - Golobular Proteins There Protein utlike, Pibroor Protein oile soluble in water. They are made up of Poly peptide that are colled about theredves to form and or sphorical molecules. eg: - albumin, inrubin and harmones like oxytoin -On the basis of Constitution 1 - Simple Prodein: Thre Prodeins are made up of amino ands only e.g. albuming, globuling, Prolamins etc-2 - Conjugated Pooteins: There are complen proteins that are combined with the Characteristic of non-amino acid Pubstance called ar a prosthetic group -There are of following types: - Nucleoproteins: Combination at Protein and nucleic - Mucoprotein: combination of Proteins and calbahydrase
- Glycoproteins: combination of Proteins and carbohydrete (Z4.1.) - Chromo Proteins: combination of Proteins and coloured Pigments. - Lipo Redeins: combination of Proteins and lipids-- Metallopreteins, combination of Proteins and metal ions -- Phosphopsoteins: combination of Proteins

and phosphore from -

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On the basis of nature of Molecules 2 - Acidic Proteins: They exist as auto-and contain acidic and acids-e-1:- blood propi-9 - Balic Produint They exist as cations and are rich in baric amino acids eg: - Grine, arginine -Characteristics of Proteins 2 - Structural functions Protein Provide Structural support to cells and timescollagen, for instance, is a protein that strengthens connective tieves, sken, bones. 2- Engymentic Activity. Many proteins touction as engymen , catalyzing to chemical realtisms. For engyment catalyzing to chemical realtisms. For enauple is a engyment that helps dig at carbohydrates— 3- Transport and Storage: Some proteins transport and Store molecules. for ets: ferration States ivon, he moglobin trasports oxyfin-Protein play a vital role in the immune 4 : Ammore functions! System - Antibodies are proteine that help Stantity and neutralizer Path year Like bacteria and Vivos 5- Harmond Regulations: Harmoner are majorly-composed of Proteins - Harmones play a vital role in regulating muscle mars, sen harmoner, srouth and development -

Examples of Proteins

Theat and fish

Seeds and ints

(egumes like being and lether 
1)

What are fats (Definition) According to notrition facts, fats are an errortial Part of diet and Play an Important role in maintaining a healthy lif c fats also known as lipids, happens to be the most concentrated source of energy in the diet that provid about 8 to 9 calories per gram while on the other band Prodeins and Corbo hydrates have only four calories per gran-fat is known to have three element which Dactode Carbon, hydrogen, oxygen, but It has more carbon and hydrogen than oxygen. Leading to nine colonies per gram fats are the gource of entry in food, they are combinations of paterated and unsaturated fats - rads also helps the body abrorb and trosport the vidaming A, O, E and k through the bloodstrem-

classification of fats 1 - Saturated fats. They have no double bonds between the carbon atoms in their fatty acid chairs, resulting in a straigh Structure - They are typically solid at room temperature - Examples Judiode: . Law d . Colonol Oil 2 - Un satured fats: They have one or more double bonds in their fully acid chains - cavring bends or kinks in the structure. They are occally lighted at structure. They are truther toom temperature. They are further classified into; Monocaturated fatr: contain one double bond - Examples Julude: . Olive Oil . canola Oil · Avocad oil Poly unradurated fats: Contain down as mode double bond -. fish oil . Flaxseed oil . Son flower ook 3 - Tras fals: These are unsaturated fats that are hydrogeneted to make them ored more golid and glade, offen vied in processed food Examples Jaclode. · Partially hydrogenated oils Margarrine

4- Phospholipidis, There contain too fatty acid chains and phosphate group, are myjor components of cell memberares. Examples Include: . Le athin: found in egg yolks and Soybears -

5- Sterols: These are soloroup of steroids and Include Cholestrol, which is a precursor to steroid harmoner-Examples Include!

· cholestrol. found in awind products
like meat and daisy-. Exportexal: found in tungin and used to synthesize vitamin D.

Characteristics of fats

2 - Energy storage: fall provide more than I wice the energy per gram compared to carbohydrates and proteins - for enougle, trigly ceride stored in adipore tissue at as an energy seserve -

2. Dusolation and Protection fats insolate the body and protect vital organs, for Jactance, subcotancous pat help maintain body temperature

3 - Cell manghathan structure: Phospholipids. a type of fat, are estitival components of cell membranes, contributing to membrane fluidity and function -

4. Absorption of Vidamins: fats are eloble escential for the absorption of fat soluble vidamins (A, D, E, and L) for enample piotany fat aids in the absorption of vidamin D from blood for or

for the spallesis of harmony-cholesterel, a type ffat 1 is a precursor for steroids harmoner such as estrojen and test o terone -

Some Examples of Fats:

. Almond

Walnut

A vo cado

ESS

Olive Oil

gurdin e

· Mest

, fish

. Some Daig Products

Attempt proper questions (from past papers preferably) for better practice and evaluation