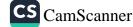
Part-II eneral Instructions structure and Function of humanea 2. Do not write lengthy paragraphs. Write medium sized paragraphs with headings. 3. Do not use table for comparison and contrast questions." vestibule: 4. Draw figures/diagram/flowchart where needed cochleg question from M 5. Staft new the answer in ability section. unit of 7. Explain mathematical steps and Auditer reasoning for better score Change colour scheme for references to nerve give them more visibility. Tube 9. Manage time well. Wide page borders are discouraged. Should be reasonable 11. Avoid writing wrong reterences. Ear 12. Give more weightage to expressedly asked part/s of the guestion ded into 3 ports. Unter Ear: This consists of outervisible auricle which directs the sound waves inside the ear into the tube called ear card. Sound woves after passing through conal hit the eardrum, a tiny that separates outer yeer from Middle gear. Middle Ear:



The sound woves after hilling andrum enter the middle ear that consists of three smallest bones · Incus Radius · Ulha Inner Ear: Inner ear consists of a snailshaped cochlea that has fluid filled in st. The waves are absorbed by the fluid and are transmitted as impulses electrical signals to the brain, via the auditory nerve Functions Hearing :-Human ear is responsible for the sense of hearing. Balance:-Human ear has vestibular system which helps him montain posture and stond upright.



Digestive Systems 5) Digestille system orgoos (GI-track) associated with brookdown of lorge Fluid Food particles into smaller that can be absorbed readily. Components of Digestive System:-The mouth recieves the food and it passes through many organs till the usaste is eliminated through onus. This tube from mouth to grus is called. gastrointestinal tract. It includes Recieving end: The mouth after recieving the food storts mechanical breakdown via the teeth and soliva from salivary glands is mixed with it. The amylase in saliva helps broatdown starch. Food is converted into Bolus.



Oesophoques: Toon after being is pushed to back of throng from which it slider down the food pipe. Peristalisis helps food move from mouth to stomach. Stomach: J. shaped organ has a carolier sphindler which opens to. redeve the bolus and closes later. Stomach produces Hel and enzymes for the digestion food is now changed into poste called chypie. Small Intestine: (Digestion) Absorption) Small Intestine is divided into three ports •Dudenom · Jujenum . ILeum The intestinal tube recieves food from stomach in form of acidic poste. The



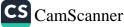
fact is neutralized by the and panereatic fluid &dds eregeres for breatdown / Imply Emulsification of fate. Enzyme lippie is involved. The intestinal lube contains Suger-like projections called vill that give it appearence of a lower These villi have capillary networks near them. The essential components of food are rabsorbed by the body and sent to bloodstream. Lorge Intestine. Large intestine is involved in cutting eliminating the woste in the form of facces. Il, too is divided into 3 ports, caecum, colon and antisrectum.



madh. resophogus 1.001 -stomach Bladder 11 Intestine orge-latesting porcroas Antts Digestive System Vitamins C. Small organic substances small amount for essential Growth and functioning, Types of Vitamin: There are two types o Vitamins Nater-soluble vitamins: As the name implies, these vitomins are soluble in water and hence are not stored in body and are eliminated.



Example: Vitamin B and C. Vilamin B: consists of group of ustomia Known as withomin B-complex B. (Thiomine) B2 (Riboflovin) B3 (Niocin) By (Pyridoxine) Br (pertothenic acid) B By (Biotin) By (Folate) B12 (cyclo-cobalamine) Vitamin 2: It is also known as Ascorbic acid is found in citrus fruits tomotoes etc. Its deficiency cor cause scurvy. Fat-soluble Vitomins:-Vilomin A, D, Earol K ove stored in body fats and are not required daily intake. These are called fail soluble villomins



Disease due to deficiency Night Blindness V:Lamin A (Toupherol) Ricket D (calciferal) sterility E Bleening or delayed elotting K Significance. Vitamins donot have nutritional values, they don't corry any calories by act as intertois for many enzymes mol regulate key processes of body related to growth. d. Fituitory Gland Function: (The #Toster Gland) This gland is responsible for regulating the bormonal secretions of rest of glands and hence is known as the mester gland.



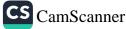
Connecting Nervous system to Endocrine system: Huitary gland Loonecled po thalamu! and renewe. chimiduses. hairpor 90 pituite posterior the hypothalamus Hypothalame capillory Beds Anterior pituitor posterior Pituitay Feedback Control: ۲ produced The pitchery glarid which hormones stimulating secretions o biggers The others Secret mon Hormore of torge Hormone ava Ucland B, Ty TSH -Thy roid Testoster one FSH, LH Gorads estrogen Grauth Hormone Bone Muscles GH cortisa ACTH. Adrenal Glords



Abysiological Processes: Editing physiological processes and under unital of priviling · Lociation Streen response - Growth · Reproduction · Metabolism · Honeostasis Section - 11 06 Identify the serie's. 0. 430 10,100,200, 310 10 + 90 =(00) 100 +1007 200 200+110=310 310+120 = 430 CB) Age of Romi = x Age of Nisha = 15+K 5 years ago (K-5) - Romi (15+x)-5 - Nisha



Nisha was 3 times older. (x-5) = (15+x)-5OT Brother is written as 5 QDGSNGA BROTHER QUGSNGA Explain the reasoning in words SISTER \bigcirc DSRHR QDSRHR Ans. Q7 (d) Number of Pizza slices= 8 No. of slices with raising = 3 Probably of Picking suice with raisin. \$



Probablity No. of Kine out come on see Toreas to couse come shila pier probablity 15 3/8 raisin Slice

