Part 1 Section A 18.3. Definition of proteins Proteins are type of energy source for the human body. It a component that is made up of polymers and polymers are monomers. Functions of proteins Anist in building tissues

Anist in reviving from an injury

Ut is considered as best source muscle building Elements containing highest composition of protein · Egg Meat Chicken

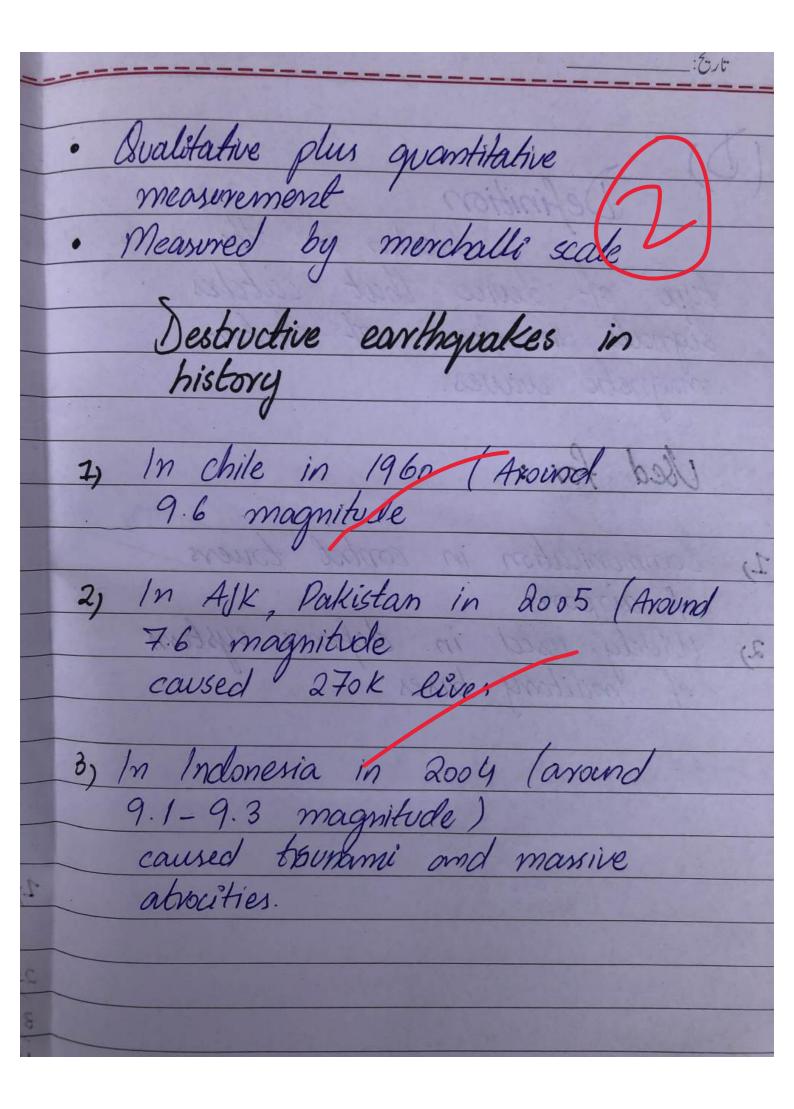
Classification of proteins first classification elassification third classification Fairth danification Definition of carbohydrates Carbohydrates are considered as chief energy source for plants and human Classification of carbohydrates 1) Polysachirides eg Chuse 2) Mono sacharides 3) Oligo sacharides -> Digestion Intake orally -> chewed and fransferred to stomach -> p energy -, building of

16) pale is shimidited a
(b) Atmospheric pressure
At mentanta manupa
Almospheric pressure is the composition of air molecules,
the composition of air molecules,
gas in air and droplets of
gas in air and droplets of
Measured by: Barometer
्रे राह्य द्रीयां।
Elements in atmosphere:
Jassin of mission in
2) Controllectorisects
3, Nilvogen 0.9% or designed
O 1 1 1 a losson l'assis
Reactions due to atmospheric
pressure:
a company of sealings in
· Precipitation · humicane
· Cyclones · Typhoon
· Tornado · Snowfall
· haitstorm · Tsunami

What is Humidity? Humidity is an mmental phenomena that reflects the density of his and almosphere. Effects caused by homid air formation of rain : ud berusasti Skin dry weather becomes distont dream paints erosion Chemical reactions in acmos (8 Condensation Evaporation Photoseynthesis in plants

Definition continues to Earthquake is a natural the movement of plate boundaries. It is considered as the most disastrous of cartastrophes. » Epicente L> hypocontre Causes of earthquake 1) Movement of plate boundaries
(Plate tectonics) Sea volcanoism Nuclear tests Mining practices _ bombing Continental shifts

6) Avrsbrikes
2 (0)
Effects of eovithquake:
· Tsunami
· Tsunami · Mass destruction of infrastructure
the mounnent of dute built
How it is measured? There are two elements of earthquake that are measured
There are two elements
of earthquake that are measured
equerios : Elsos
1) Magnitude to is quantitative measurement of the earthquake
to is quantitative measurement
of the earthquake
21311007001711 <7
· Objective fact
· measured by richer scale (Introduced in 1935)
in 1935)
2) Therement of white poundance
2) Intensity
the measure of
overall effect of the earthquake
· Subjective fact
• Svojective fact



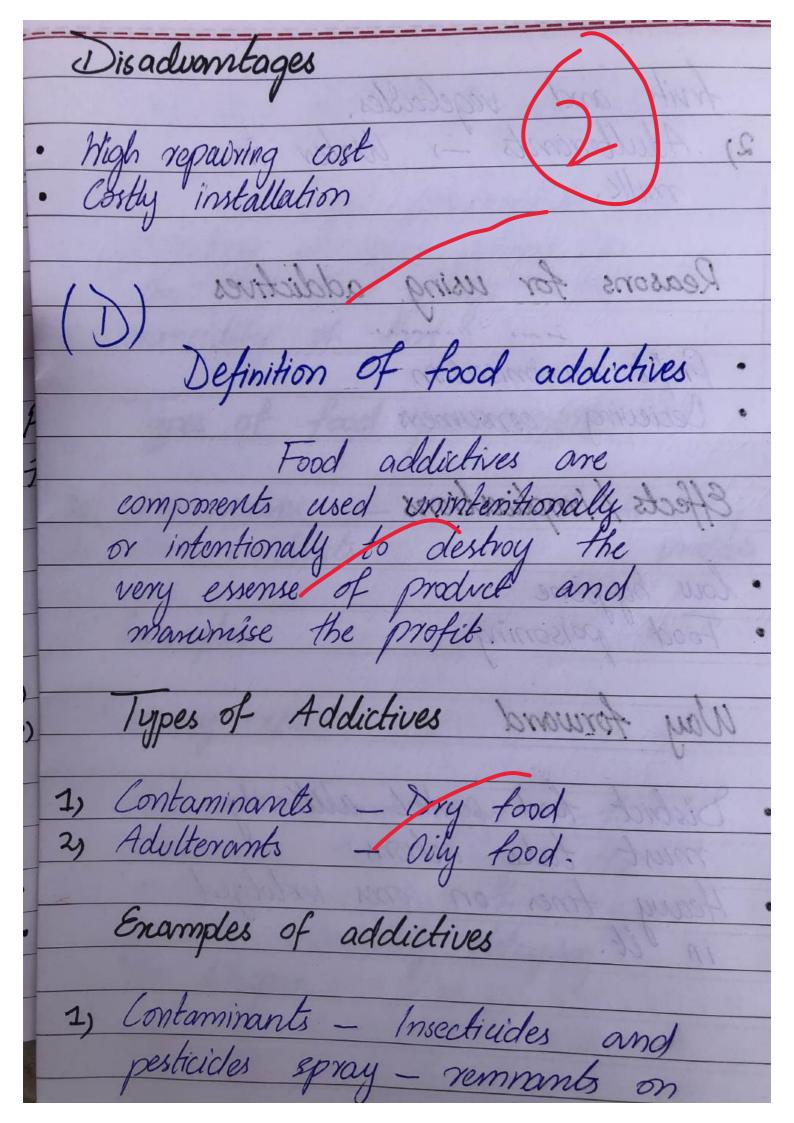
efinition Ro waves. Used for: Communication of airports Widely used in defense system of military bases

Evestion No. 5 Sea surface temperature rise is a natival phenomena
that is caused by oceanic currents
unds (tropical). Definition: e q temperature rising above How it affects the formation of tropical cyclones Cyclones are type of abnormal seaware occurred at region of Indian ocean. Africa 1) Avabian Indian ocean

Formation of cyclone: Lyclones are often formed to vising sew temperature Winds above 120 km/h It creates winds of 450-500 km/h Recent example Bigoinjoy (respected belt in 2023)

Jacket cladding Optical fibre is thin hair

light is processed in glass rod light is repracted due to betal internal deflection. Input Ollput Prevalent usage of optical fibre Health industry Artificial intelligence industry Electric vehicles Internet transmission lunes Information technology department Advantages Minimal loss of information swift delivery



fruits and vegelables.

2) Adulterants -> Water in milk. Reasons for using addictives · Profit manimisation · becieving consumers Effects / Implications · low hygoene · Food poisoning Way forward within Disbict tood control aluthority must take actions. Heavy times on ones indulged in it.

Definition of Food preservatives Food preservatives one protecting elements added in the food that delays the rameidity of food. Types of food preservatives 2) Preservatives — often used for dairy products Enamples Rosemary extract Anti-onudants are types preservative that delays the socialists ranciclists of the products ultimately delaying the lifespan. the lifespan.

Question No. 7 sata : Average of 7 nombers = 20 find largest numbers of these Formittait: our serry book to segri Mean Javg = Valves n1+n2+n3: bolution : Encomples n+ n2 + n3 + ny + n5 + n6 + n7 = 20 letting ny be highest $= 20 \times 7 = 140$ MI n1+ n2 + n3 + ny + n5 + n6 + becomes formula

140 - 21 Data : (cousins (cousins) find vel by Solutions if B is not brother of C Thus & is sister of C Relation between & and C: Brothers and sister (siblings)

(iv) (v) (ii) (iii)

Suestion No. 6

Data: Corrent value = 8748
Depriciated by 101, for 3 years 8798 1, 10% of 8748 = 874 adding 10% to 8748 + 874 9622 = 9622 2) 101. of 9622 = 962 adding lox to 9622 = 10584 3) 10% of 10584 = 1058 10584 adding 10%- to 10584 2111642 Price of washing machine three /
years ago was [1/64]

(B)Data : x father Father × daughter after 5 years SSOFF + 5 = 3 (D+5) eq (u) putting eg (iii) in eq (ii) 1880 F + 5 = 83 F + 5 549 F+5 = 31 F + 20 F+5=03F+60 4F + 20 = 3F + 60 60-20

F = 40
Note that the state of the st
putting F = 40 in equi
Pouring 1
F=40 => 40=40
F=4D=> 40=4D D=10
After another 5 years
After another 5 years tather will be 45 and daughter will be 15
and daughter will be 15
Thus daughter will be
Thus father's age will be 3 times of daughter
Times of augreen
(C)
Data: diameter of circle = 12cm
diameter of circle = 12cm
Bolution:
Area of corcle = 472

