Dos and Don'ts for Generaral Science & Ability **Paper** Hi there, you've done well. Know that acquiemorkalor ledere s omedinhaj letero reproducing it in paper according to what's asked is a per. There are a few things requires 2 sides not more an that) of a paper Know hat there can be or three parts of a question and their marks are divided accordingly. So address all Fundinin affect Antenies, Veins and 2. For il winding management. You get 35 Biominute base one guestion and about 8 Arminutes per 5 mark participana e your time according the metwork of ou need to unders look more scientific than theoretical. So, add flower arts and diagrams cutting and overwriting. s or spellings and your grammar. GSA there's no deduction in marks your expression will definitely create an Artimpariction of Arteries: Pulnsteps written and explained. Good luck for CSS 2025. You're gonna rock in **CS** CamScanner sha Allah.:)

walled, elastic fibers and muscles with small lumen. They don't have values because blood flow due to high pressure by the heart. thick musclar 8 Small lumen. Fig: Arteries Outer thick walled (cross section) Function of veins: Veins do carry deoxygenated blood from the body tissues towards the heart? They are thin towards the heart? They walled blood vessels with large and thin less plastic fibers and muscles. They have value that prevents they back flow of the blood thin outer wallthin muscles and less elastic fibers. large lumen. Fig. Cross Section view of vein valued vessels vessels from copillaries are Small called venules. # venules collectively

join to form veins. Function of Capillary: Capillary or is One celled small st blood vessels that allows the exchange of material between the blood, tissues and bood. They are one celled vessels with very small lumen. The exclange of alexial occurs through diffusion spillary are spreed thoughout he body and are in direct contact in body tissues. Ical thin Fig: cross section walled of capillaries. \sim (c) \sim why do atoms form Chemical bond? Atoms are the small unit of matter. forms chemical -bond to attain Stability. Atoms have electrons in. their orbitals. protons and neutron in their nucleus. Protons have positive charge.

and electron have negative charge. Their are equal no. of electrons and protons in a neutral atoms but the atom is not stable untill has valency in its outer Sell octact Rule: According to octact ale the outer shell of ee atom are eight electrons. and when the outer shell of atom is completely with electron having opposite spin it is stable form of ortom. donate No Na with one -- Cl with seven electron in owler electrons in ower shell Shell. Fia: Dot and cross model of Ionic

bond between Sodium and Chlorine Nature of Atom determine Nature of Chemical bond: Atoms forms different types of chemical Londs such as Ionic bind between metal and NonMetal. Covalent bond between Non metals and Metallic bond between both Metal atom Hydrogen bond between Hydrogen and pential negative atom. (O, F, CI). Structure of H20: less two hydrogen atom each with portial positive change combine makes a hydrogen bond with Oxygen atom having partial negative change. Hydrogen bonding between · Hydrogen and Oxygen atoms s formed die to high electronegativity difference. between them. • The Hydron atom has one Electron. The oxygen atom has.

In valance Shell. Two of them one Done pains and Two are bond O Coodinate covalent bond with in tho molecules, forms gives the molecules triangular there with two line and two 4 nd poins with Hydrogen. The enstruture is due! to Electron pour replusion theory Fig: Coodinate Covalent bond. 104 O Hydrogen Inding between water molecula Hydrogen bonding exsist between 120 molecules, frming partial positive and negative changes on sespective atoms Fig: H-bondwater mole-

(d)~ What are Conductors, semiconductors, metals, plastics, and ceramics? Crive Examples? Conductors: the material through which Electric current i can pass is called Conductors. They have free electrons for movement of current energy. Enamples: Metals one conductors such as Iron, Copper. Semi Conductors: The material that are partial conductors of electricity are called Semi conductors. This is become arrangement of electrons in the valence Shell of ortions in semi conductos. They howe 4 electrons in valence shell forming bond with other atom giving crystal shaped struture. Example: Silicon. Silicor arrangement =0 ortim

Metals: The material having free moving electrons are called metal they are marable and ductile used in different industries as raw material Enample: Stell, Iron, Copper etc. Plastics = These are material made of long chain of conbin atom (large molecule polymers). They are vestile nature, i non degradable, inorganice and easily mollided into any shape trample: Acrylics, Resim, pysterene. Ceramics: The inaganic mater made of heating elay at temperature is called termon (eram They are Solid and coloni Ful nature. Enamples Bricks, Tiles, and

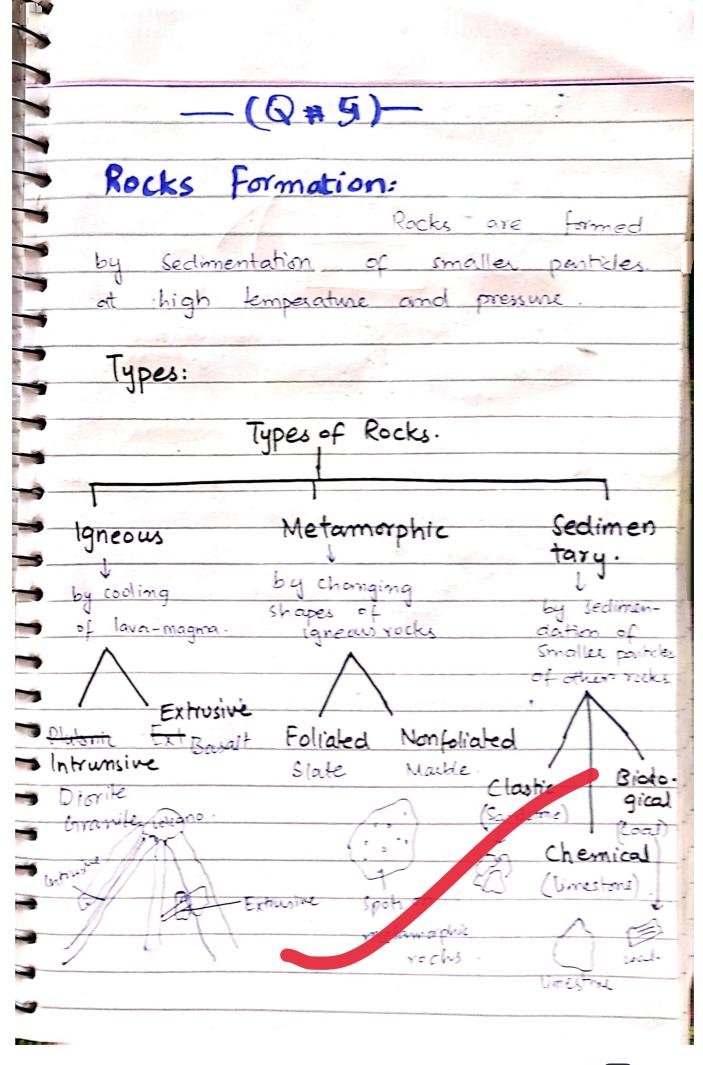
loped world the most. What measure should be taken to counter in COP-29. Introduction to Global Warming: The increase in temperature of Earth due to trapping of Global warning Gases (COWGIS) in the atmosphere is called Colobal Warming Effect. bank, theport on climate tronge: The average temperature have inciease 5 folds in just 30 years." Some of Gains caining Olobal warning includes to the consundicide ((O)), Methane ((Hy), Nitrous and Sulphuse Oxider and per oxiders. (Nxo) SxO) - HFC etc. Pak a developing country is developing counkies contributes only 1%. in these gases are as one on most vulneable to Global warming.

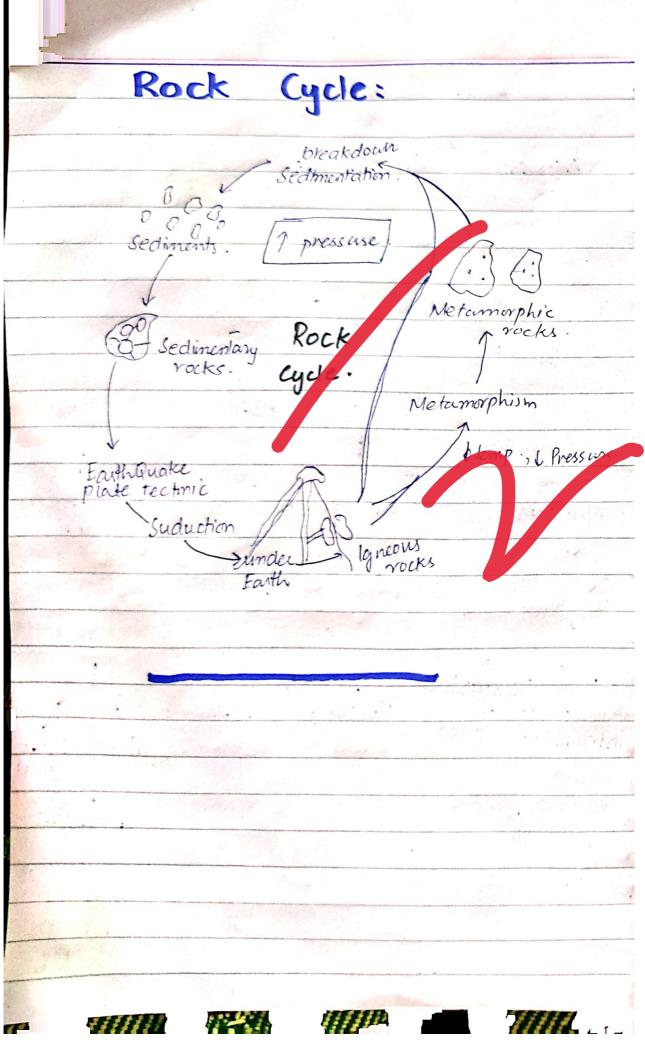
(a) gobal (a) Thread

hilting developing and least deve-

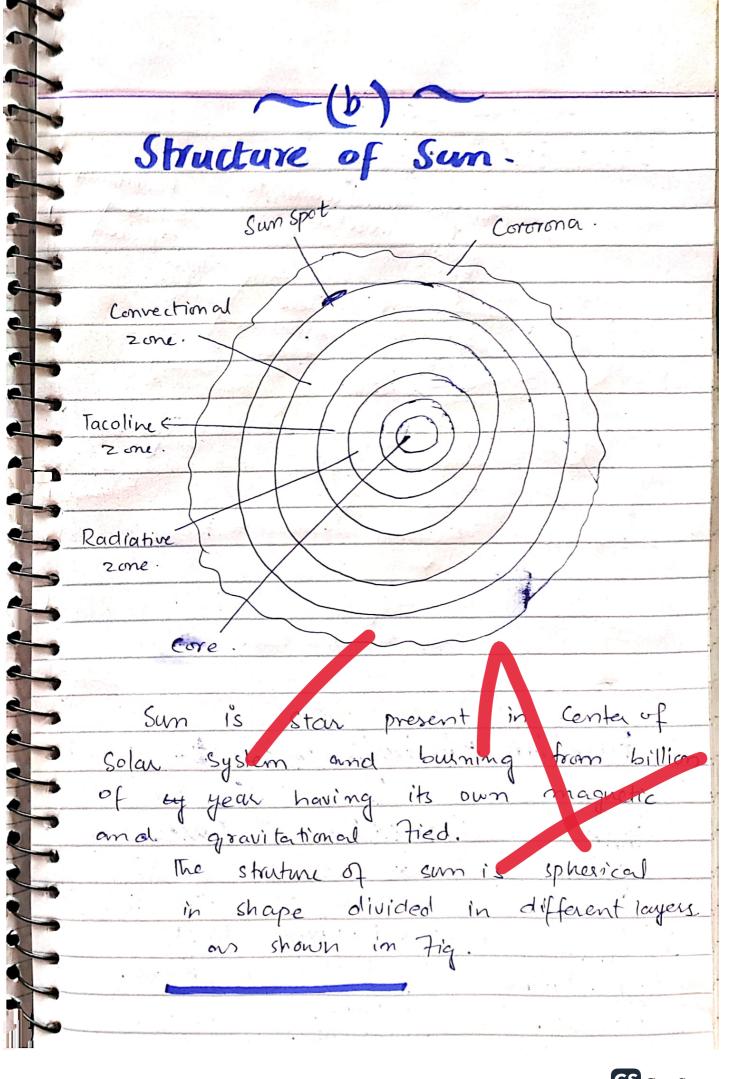
blanket of Grases. Atmospher. Heat waves trap. Earth Green House Effect -> Colobal Warming. Why developing countries are most suffering from Global warm Developing or Developed country contributing very small to Global warming due as compared to developed countries but they one siffering a ut. Some of the meson are depicted here. Reliance on mostly on renewable overly populated areas. Mostly present in equatorial regions. Giobal capacity to cope with warmine Climate change events Impunities in Natural conditions. tack of proper management of Enivornment Safety.

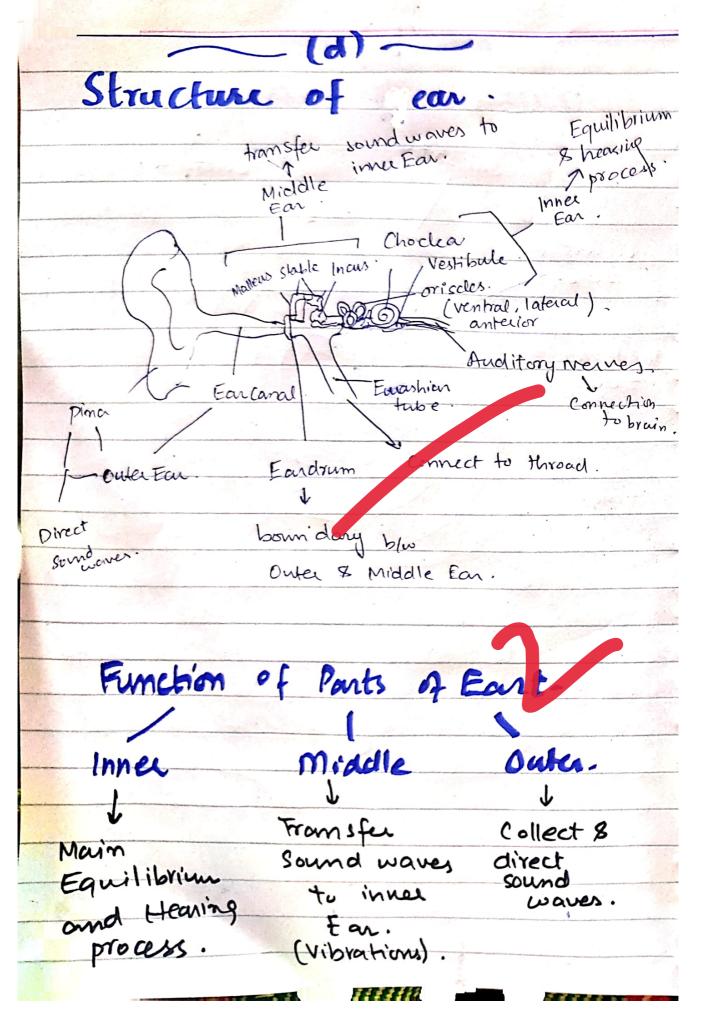
to counter in coptaken Measures 29: ROP-29 is of major importance due historically high temperature due to Global warming 2024 Glaciess, Fleak stokes - increasing Globals Restriction on Elite's penality on overuse of planes, Ado pting nestriction on inclustrial technologies State wise Conbon Leaking emiting gover (GHG's). planatation (mostly in Euros) tecniques More Measures Reliance on Making Carbon -> Solar Energy. counta Global wan Sinks, Small ming in cop-2a sombinies at smaller levels. o Restricting Making Deforestation, climate funds Less reliance @ promoting without office irrespective of diplomatic nelation. fossil fuels Afforestation. lesser se of oil, cood, Chas. Conclusion: n temperature se continuous years indicates Climate Thread Global so, rres pective World have to measure Collectively take counter this. No one is Safe from a lobal warming and their no way cept enoun? this







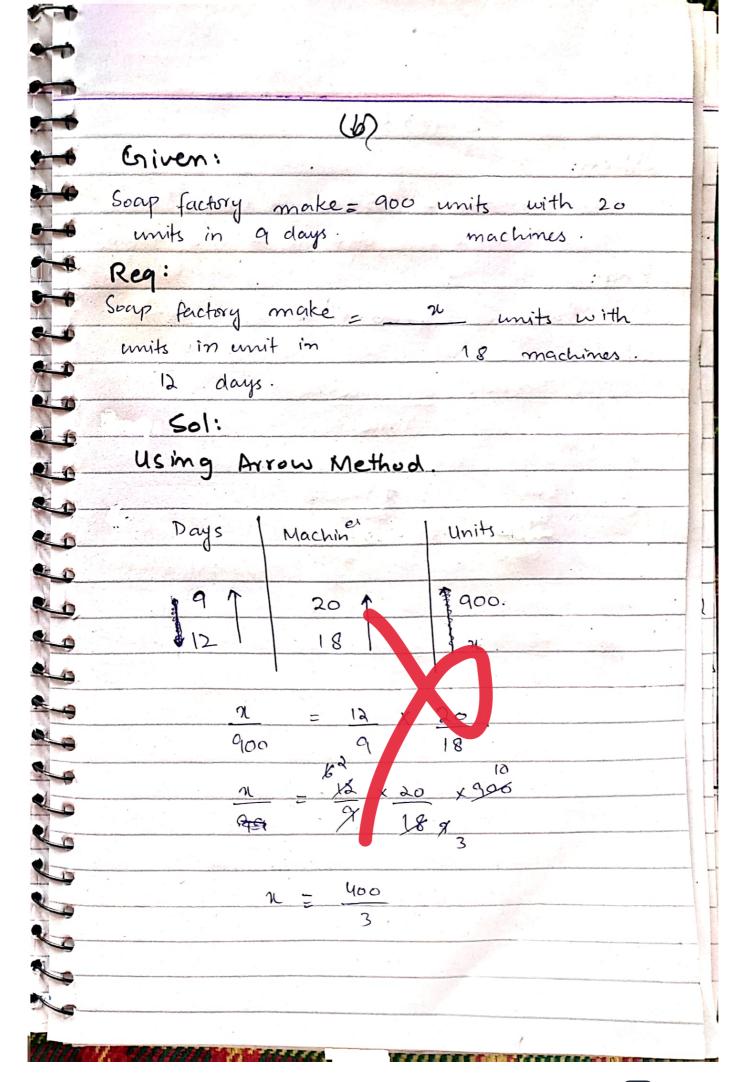




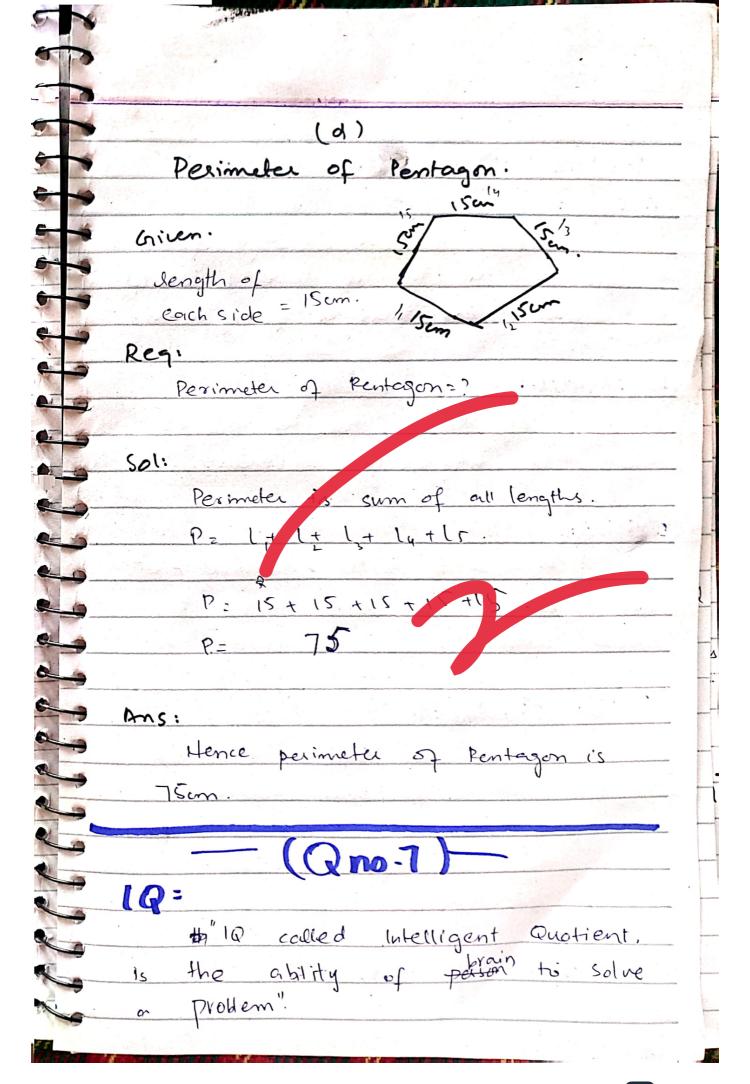
Eau Drum: Membraneous Struture between Inn outer & Middle Ear. Prevent Contamination entering in the Ear pars som waves by vibrations Eurashian Tube: Middle Ean - portugy for air pensage and pressure maintaince Auditory Nervez onnection to brown for detection of hearing (Sound) by Chemical Signaling

(Section II)

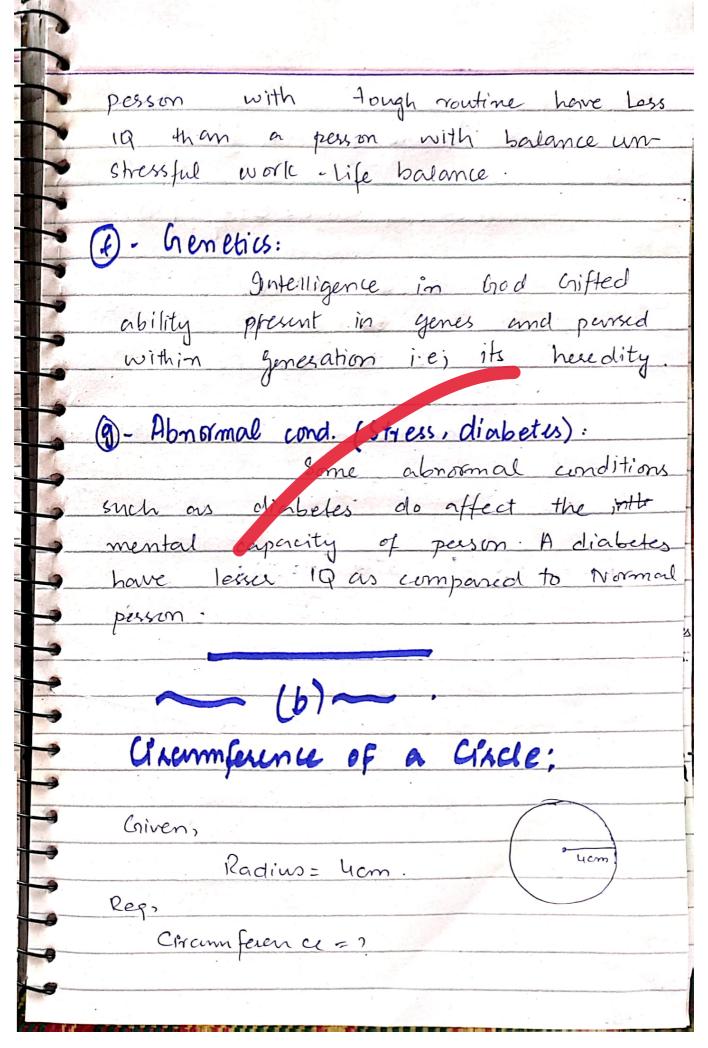
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Qno-6: (a)
 Given,
   Total increase in pop: 18,000 to 22,000.
In 10' years, Initial pop. = 18,000.
In 10 years, Final pop. = 22,000
   Reg.
          1. increase in 1 year = ?
     Sol:
            increase in . 10 years = 22000-18000 x100
                                      22,000
                         200
         1.
             increase in years
                                     2006
                      181.81
```



	_ (c) _	
Given:		605.
car distan	ce = 450 m.	-> time = 1 min.
Train distern	ce = 69 800m	1 -> time 45 min
Req:		45x 605
	Speed=1	= 2.70
Sol:	- SC-1	
Speed:	distance	2.70
	time.	A
Car	: Train	
456 m	= 69000 m	. 1
6\$ 5	₹795	27/69
The state of the state	9	4.4.50
45 0	2300	The state of the s
6	9	A THE RESERVE
7.5	255.5	9/ 7/2
The state of the s	435.3	which is a second
	-	



	Factors that affect 10:
	B-Age:
•	The increase in age course
in	icrease in 10. The 10 level of child
	is always less than a young man.
Œ	Frender:
	By Norture, the 10 level of
	man is higher the woman.
Œ	D-Diet.
	V-OIE.
	A person with balanced diet
	ove trigher 10 level than the
-	person with unbalance died.
_(0	1- Life Routine
	The Sleep and Wake
	Lyle, Exercise noutiene, rediation,
	regulatity are you habit that
	make the ip level of passon higher
,	thom the other.
[e	D- Work-life balance:
- 6	
	A highly stresse



Formular Circumference of Circle = 2 Tr. Sol: Circumferer ce (Circle = 2 (22) (4). 3.14 3.14 x 32 = 2 (3.14)x 4 .8 x 3.14 6 28 2512 9421 100.48 Hence Circ inference of circle is 25.12. (c)~ Age of 5 students: Criven Age = 20, 22, 21,21,23. No. of Students # . 5. Medn, Median, Mode Sole: Mean = X = 20+21+21+22+23 5/107 = 21.4

Median = x = middle value. nging ages: 20,21, 21,22,23 Median. Median = 21 Mode X = most repeated values. Mode = al. Hence, Mean= 21.4, Median=21 and mode = 21 is the ages of 5 students. \sim (d) \sim Pahir bussiness ----Given, 15,0 00 vestment = Tachin 30,000 Usman 48,000 Profit = 406,0 Reg: Share of each => Sol:

-(Q#5)-

