NAME: Zarafshan Zahin BATCH: 08-59 (Islamabad) EXAM: 2025 MOCK-1 PAPER: GSA TATE:08.05.2024 PART - 11 (Sec: 01) Enough length **Enough headings** Q. No. 2 Keep length equal for all parts Attempt 2 questions in math part: b portion Improve paper presentation VITAMINS: their is crucial Absence of any vilamin in the system can lead to Dear Types of Vitamins:-There are two types of Vitamins. 2. Fat- soluble Vitamins b. Water-soluble Vitamius FAT SOLUBLE VITAMINS. DEF: organic compounds that are store

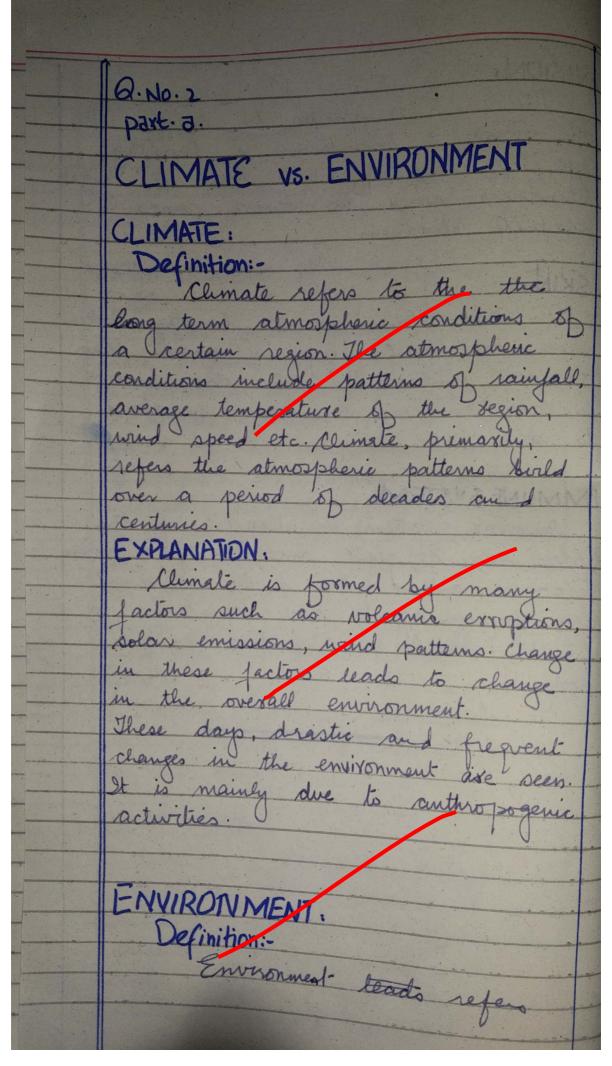
dissolved in fats. Since its property

being able to se dissolved

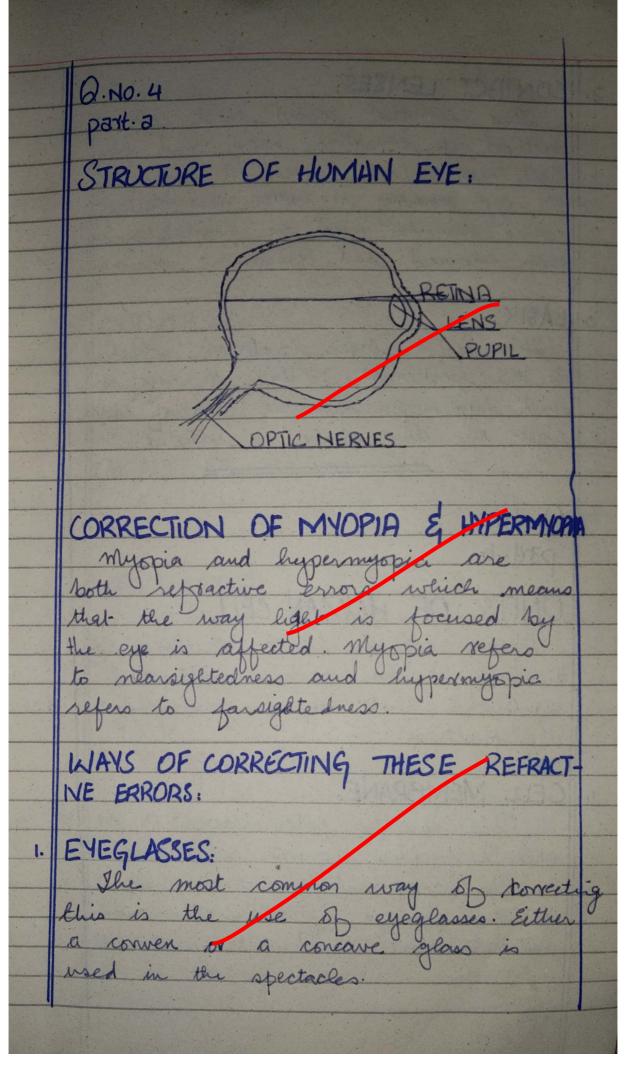
in the fats, it got its name

by fat- soluble. It include Vitamin A, D, E and K. WATER SOLUBLE VITAMINS DEF. Water soluble Vitamins include those organic compounds that can be dissolved in water. Unlike the fat soluble vilamins, they are not stored in the body. The Vitamin B- complex and Vitamin C are included in this category Since these are not stored in the body they need to be regularly entereted out with voice. ROLE OF VITAMINS IN HUMAN BODY: Vitamins play a significant-sole in maintaining normal functioning of the body. 1. BONE HEALTH: Vitamins help with stronger skeletal system. Stronger and lealthier hones and teeth are possible due to having the right amount needed by the body. Vit-D helps in this.

VISION. complete blindness. SKIN heep in



to the overall living an nathral elements as well interactions. The natural patterns servences) and homan inventa included . Pities, birlings. are included in environment CAUSES OF AIR POLLUTION: AIR POLLUTION: Definition: pollutanto in th smoke from Brick klines leads to

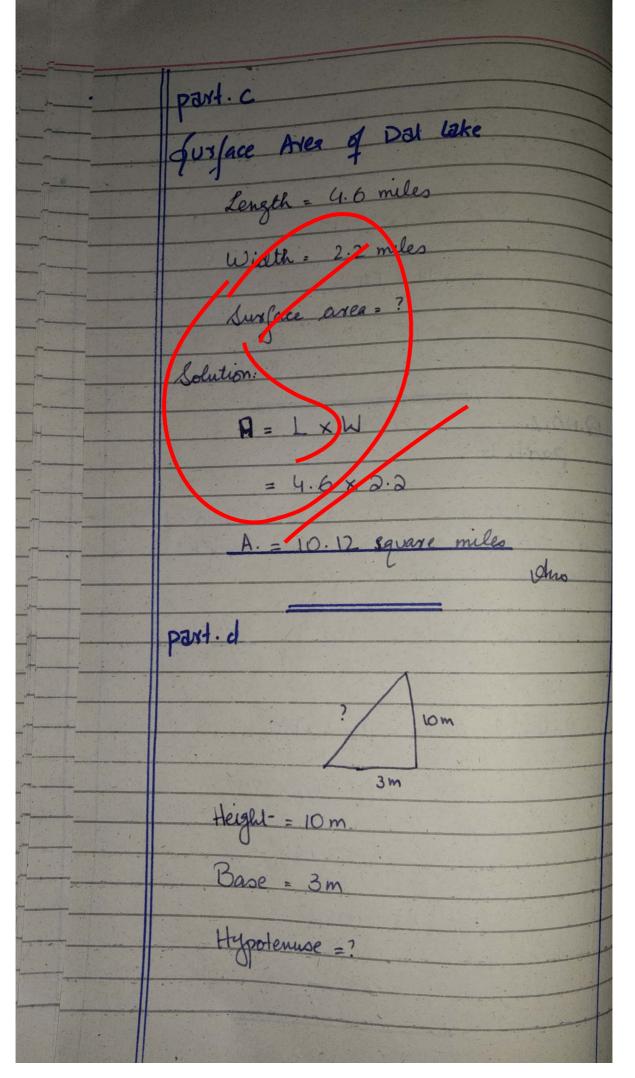


2. CONTACT LENGES: is the second most common method of correcting near on sightedness Contact Penses sit right eye providing a better view. Contact-Lanses can be used are available in Noth coloured and transparent versions. 3. 1. ASIK : This is a laser treatment the permenant solution to myopio hypermyopia. With the help light the tens shape is corrected Q. No. 4 d. Hed UNITS OF HUMAN CELL. Homan rell is basic structure of the body It has barious wills and components that help in mainten its functions. CELL MEMBRANE. cell. It provides supports and in the components intact. in the passage of minerals and mutrients and the waste material

2. NUCLEUS: The central part of the coll is the nucleus. It controls all the activities going in the cell. It genetic material as well. DNA is present inside the nucleus. 3. CYTOPLASM: This is the jelly like substance that holds in all the componetists of the cell. 4. ORGANELLES: A cell has multiple organelles that are assigned with barious jobs. i. MITOCHONDRIA. This is know as the power house of the cell because of its role in the production of ATP currency of the cell. il ENDOPLASMIE RETICULUM: It is a network of membranes that help in the Modiction and synthesis of lipid There are two types of ER. Rough ER which has robones attached to it and Smooth ER which does not have sibosome on its surface.

iii. GOLGI APPARATUS: It transports, the lipids and proteins, synthesized by ER to its destinations iv. LYSOSOMES: digesting This, orgnelli helps in CHTOSKELLION: These filaments made out proper structure to the VI. CENTROSOME: It junctions PECTION - 11 Q. NO. 6 part. a & VOLUME OF THE CILINDER gadius, x = 8 cm Volume, V = ?

Solution. V = 3.14 (8)2 (15) Q.NO.6 An octagony has 8 sides and all sides are equal in length and has the same angles. Exterior angle = 360° = 45° Interior angle = h-2 x 180



Colution: Osing Pythagorus formula  $H^2 = (10)^2 + (3)^2$ H'= 10000+9 H2 = 10009 Jaking pg root on both sides HZ = 0 1009 height of the ladder