Con'ts for Caleraral Science & Ability Dos and Paper done well. Kn w that is one thing and acquirir according to what's reprod There are a few things I aske to highlight. WO question and their address all You get 35 about 8 medium Vour, paper is and diagrams definitely create an portion, give explanation for s. You need fiber optice) k partirequires all entandexplained. Good luck for CSS 2025. You're gonna rock in **CS** CamScanner sha Allah.:)

Now, as we are gamilier with the fiber optics structure now understanding working of feberal optics on Principle of Total Internal Reflection: According to this tright travels internally and send datasons? Critical angle: light <: 42% 0 do " Artificial to Diocust working of optical libers What is 6.98 2 How bernam griber option a light signal Electrical Signal chectaical signal curily curil is an a into electrical signal Receiver light signals herefore, light signal to avel within the tiber optic and passing through mediam it reaches to it destruction. Large GPS of Signature a fine to be seconded to see GPS stands for Global Positioning System. GPS is the navigation systems Navigation is the process of finding direction and reading the maps. It requires at saddlittle and recieves to determine the exact focation and objection on the earoth. It can be used on Earth ground, seas and in air it can not be affected by weather conditions. GPS consist of three main segments. in Sattefile Segment (consist of 24 sattete

orbiting around the earth with height of 12000 miles above earth sureface) ii) User Segment: (consist of took and devices that user keep or place in case, ships and areoplanes etc) iii Control Segment: ( Control segment consist of GPS startions that cope monitoring the working of sattlefite properly). One of these two point includes a moving spects caccurate position. Saffelife Stellite Salfelike How 20 and 30 focation are though catteliles When 3 sattelites signal acre recieve it is alled " 3D fix"; we can get longitude, littede and exact time but not height. With 4 sattelite signals it makes (called 30 fix", we can get dogitude, latitude, time and height. (c) What do you mean by a balanced diet ? Deficiency of witamin A, B and can cresult into what type of Imbalances in human body; Balance diet. Taking good that contains escential are introckersary for human nutrient that

| ORigid affice Affice of the contract   |
|--|
| In take of Lood Loom the lave  |
| In take of food from the five  |
| vitamins, mineral and fibre) for   |
| provides essential nutrients to body   |
| for proper functioning is called   |
| balanced dieto   |
| Five Basic Groupes   |
| Meat: Mince, Chicken's fish  |
| - Dairy: milk, cured, butter   |
| Pulses and Beans: Soya bean, red beans   |
| Leafy vegetables: Spinach, salad leaf  |
| Cereal: Bread, rice and wheat.   |
| But it is very difficult for hamon   |
| sensumerial Of thesens things custion  |
| doily bouls. So for that the sames   |
| dequired to take and of these  |
| 1 Carpohydrades, fats, protein   |
| 2 Vitamin, minerals  |
| 3 Water, fibre   |
| Therfore, Forg proper functioning of   |
| brobatenced ministret Betacer Inbalanced  oliet and causes machinatorises  |
| balanced manual bearing models and   |
| ON A Hilliam Comment of the land of the la |
| Madnutrition concern diseases. Hence boundit   |
| is necessary to an ellano concert  |
|  |
| Deficiency of vitamins   |
| Man Docays   |

|   | Vitamins are essential compounds that  |
|---|--|
|   | are required in a minute quantity  |
|   | in the body for proper functions. Deficiency   |
|   | one orequired in a minute quantity in the body for proper functions. Deficiency of vitamins lead to increase decueses. |
|   | Excess of vitamins causes toxicity in bady.  |
|   | Vitamins lypes:  |
|   | is Fat Sokuble Vitamins: VitaminA , D, E,  |
|   | and K are lat soluble vitamin.   |
| d | ii Wader Soluble Vitamins:   |
|   | B complex and vitamin C  |
|   | are unter coluble.   |
|   | Deficiency of Vitamin  |
|   | Vitamin A  |
|   | Defectioncy of A course night Attacks.   |
| - | Defeciency of A causes night All dies.   |
|   | Anemia 1   |
|   | Vitamin C  |
|   | Deficiency of vitamin C causes Sourcy  |
| - | direases:  |
|   | b) CPU is brain of Computer, how it  |
|   | resembles with human brain in working?   |
|   | CPU stands for Central Processing  |
|   | Unit CPU is the boain of computer  |
| - | it resembles with humain brain in  |
|   | working Because brain plays important  |
|   | and central role for perform tech.   |
| - | and central role for perform tack. Information Instruction given in the form   |
|   | of input and it performs tasks   |
|   | as an outpet limitarly. CPD  |
|   |  |

takes input as set of instructions! command and perform sperations and perform tal task to produce output CPO is called as brown of Computer systems because the entire working in computer system is performed in CPU. All the operations and tasks are performed by CPU. Painter Vitamines. Just like haman boain as human brain have capability to store Information (eig memorising an event etc) that is considered as data according to computer system. CPU stores data in Hand disk, floppy disk and distoes etc. E.g we want to calculate I like want to add two number set of Instructions care given to to accompationsmand to Philippi perforish (d) recembles with hundin brainstonego antique 11 1000 1 1411 = 8 book 11) 11. x 9 = 2 195 + 195 Computer understands binary language (0, 1) · Every instruction that is given to comparer is firet converted in binary language.
Calculation also performed in
binary language by CPU, then

ronverted into human language and displayed on the screen of our degred output. Therefore, his is the deason why CPU is a called as brain of computer cyslem and it is gerembles with human boain. (a) Artificial Intelligence is the new electricity. Judy with your opinion: " Antificial Intelligence is the new electricity" as the woorld evolve the electricity become one of the most basic necessity of life. It is all because of technological advancement technology has changed the life styles of people E-9 Bulb, house appliances, washing machine, over, microwave, electore stove, vehicle, Phones, of tices, industries almost in every Waspect of life are see technological equipment that are used to perform our day to day tasks It has incleased the need of electricity and demand of innovation has introduce confital intelligence and the world is now moving forcement is the modernogoform efection and my perform mark de ai

| Almost in every supect of life                               |
|--|
| AI is included perfrom day to day                            |
| coosk and tasks Example gratia                               |
| OF based Robots in care making                               |
| Companies  |
| · AI based Robots in Industries                              |
| : Attale bared Robots even iletion lossified to              |
| genterant for working man man that                           |
| water.   |
| · AI bared machines e.g home appliances                      |
| cooker, electronic étore, fridges, oven                      |
| and many more.   |
| · AI in social media apps Meta AI                            |
| in whatsapp, Snapchat 11,                                    |
| Meta AI in instagram and &                                   |
| - Chat GPT etc.  |
| Hamano age coming overly                                     |
| dependent on Almost in every                                 |
| dependent on At Almost in every same of ATI is improduced as |
| electricity is the one neccessity of human                   |
| of human. Therfore, in this context                          |
| of human. Therfore in this context                           |
| It is said to that M. Artherial                              |
| Intelligence is the new electricity?                         |
| CORRECT CON NO 578 STORY                                     |
| populous country of world which                              |
| populous country of world what                               |
| one causes of population embosing                            |
| in Pak ? What own be control measures                        |
|  |

| Pakistan is the fifth most populous  |
|--|
| country of world. These are many causes  |
| of population explosion in Pakistan Jack   |
| of education, excessive birth roates, no jamily  |
| planning, religious reasons and no outive  |
| steps by the governments to combrol. There   |
| imigiate measures are family for planning  |
| programs, educating especially womens, reform  |
| or change religious perspective of Ulema and   |
| government should take active and strong   |
| steps for the cointral of population.  |
| Causes of Population:in Pakistan:  |
| These are many reasons that causes   |
| population explosion in Pakistanias follows  |
| O Excessive Birth rates  |
| 2 Lack of Education, me tomas .  |
| 3 No family planning concept   |
| @ Redigious perspective of Ulema: Her growing  |
| muslim jumma in world)   |
| 3 Government no active steps to control it   |
| Impacts of Overpopulation in Pakistan:  Many severe impact would have to face  Pakistan if it remains the same; as |
| Many severe impact would have to face  |
| Pakistan if it remains the rame; as  |
| follows  |
| O Shortage of food   |
| a Shortage of Nater having parawities  |
| 3 Shortage   Chavailability of bousing necessities   |
| of life to people.   |
| Bad and poor economic condition  |

| 3 Pr Unable to meet demand and                 |
|--|
|  |
| sapply   |
| population controls                            |
| Pakistan needs to take immediate               |
| and strong action measure to control           |
| expanding population through following;        |
| be introduced.                                 |
| be introduced with any mineral and the         |
| Someoding education (awarness through          |
| and medium related to population control.      |
| · Utema perspective should be                  |
| changed oréform.                               |
| Use of Contracept on birth control             |
| pills should be introcluced.                   |
| Government can play good luital role           |
| in population control by taking steps:         |
| In a notshell and country                      |
| will stay who have ability to                  |
| theet demand and supply chain if               |
| it connot be fullfolled then it                |
| would be alarming entuation not only           |
| for the present generally but also             |
| generation. Therefore, Patristani Pale ects to |
| generation. meretine, latristant la edit to    |
| condesctand this thing and try                 |
| population explacion in Pakutan                |
| population capacion in mustan                  |

| (C) How earth quake occurs? How many   |
|--|
| people which jolled Turkiye,   |
| How earth Quake Occurse  |
| Earth quake shaking of   |
| earth crusts and that shaking of   |
| earth crusts and that shaking of earth crusts and that shaking of  |
| seismic activity. Seismic means earth's cust it is also called as plate  |
| clust it is also called as plate   |
| tectonic therefore, the movement of plate  |
| tectoric causes earth quake to occur.  |
| Plate Tectonic: Earth is divided into  |
| different plate tectonic e-9   |
| VV Change and the Patting  |
| Pakistan, India - China Tran Tuskiye - Afg   |
| The state of the s |
| • Mediterranian Sea bett   |
| Plate tectonic movement is alivided into   |
| 3 types 3): 1 homercan of  |
| (i) Converdent Company in the land   |
| dis Divergent  |
| (iii) teanform boundonies  |
| ci) Convergent Plate tectonic: movement:   |
| In convergent place tectoric, the earth  |
| coust plates move towards each other   |
| due to their movement earth qualite  |
| happene loccure Plale tectorics  |
| Dalo A Plato R   |
| 10   |
| (C) > conventioned   |
| Cancin   |

| in Scenic at a continental disconvergent and in Scenic at anothernatal Convergent and in Divergent plake Tectonic movement:  When plakes of earth crust are moving away from each other activity.  In the seismin activity.  In the severe earth of the fault activity.  In the severe earth of the severe earth activity.  In turking severe earth   |  |
|--|--|
| ciii) Oceanic — Oceanic Convergent  ciii) Divergent plate Tectonic movement:  When plates of earth court are  moving away from each other  tectonic.  Divergent tectonic Hatel  Plate A Plate B  c) Continental an Divergent  ciii) Oceanic Divergent  ciiii) Frans formed Boundarises:  When two plates are movena of the each other  to movement is is called as  Transform boundarises.  Left toleral state slip fault  Plate A  Plate B  Right lateral state of fault  each quake occars due to  the seismic activity.  In Turkiye savere earth  | ais 49 Oceanically continental. Convergent stans   |
| when plates of earth court are moving away from each other tectanic.  Divergent betank Hatel  Plate A Plate 5  Oceanic Divergent air Divergent air Frank from each other from plates are moving the earth other to movement is is called as Transform boundardes.  Left toleral state stip fault.  Plake A Right Pakeral strike to the seismit activity.  In Turkiye severe earth  | (iii) Oceanic - Oceanic Convergent   |
| moving away from each other  it is called as divergent place  fectoric.  Divergent tectoric flate!  C) Continented an Divergent  (is Oceanic Divergent  (ii) Isans fromed Boundaries:  When two places are moven on each other to roubbed these  to movement is is called as  Transform boundaries.  Left toleral state slip fault  Plake A  Plake B  Right takesal state of pault  each quake occurs due to  the seismic activity.  In Turkiye severe eacht   |  |
| moving away from each other  it is called as divergent place  tectanic.  Divergent lectanic Place  is Continental an Divergent  is Oceanic Divergent  air transformed Boundaries:  When two places are moving on each other subbed due  to movement is is called as  Transform boundaries.  Left toleral state slip fault  Place A  Place B  Place A  Place B  Place A  Place B  Therefore, this is how the fault earth quake occurs due to the seismic activity.  In Turkiye severe earth   | When plates of earth crust are   |
| tectonic.  Divergent tectonic flate!  Divergent tectonic flate!  Divergent tectonic flate!  Continental an Divergent  The Continental and Divergent  The  | moving away from each other  |
| Divergent rectance Mater  C) Continental and Divergent  Cist Oceanic Divergent  Consider two plates are proving  Con each other ocubed alive  to movement is is called as  Teransform boundaries.  Ceff toleral state slip fault  Plate A  Plate B  Right takenal state  Plate B  Right takenal state  Plate B  Therefore this is how the fault  eachth quake occurs due to  the seismic activity.  In lurkive severe eacht  | alipercent white   |
| Divergent Retaile Mater  C) Continental and Divergent  Cist Oceanic Divergent  | tectonic. O 10010 colo 12 15 testo   |
| Continented an Divergent  Cis Oreant Diverge | Divergent dectance hatel and one of the  |
| Continented an Divergent  Cis Oreant Diverge | 100 - 1- subspire from a mistre standard   |
| cis Oceanic Divergent  cis Oceanic Divergent  aiii Fransformed Boundaries:  When two plates are moving  on each other proubbed due  to movement is is called as  Transform boundaries.  Tell toleral stake slip fault  Plake A  Plake A  Plake A  Plake B  Right lakeral strike  inextore; this is how the fault  each quarke occurs due to  the seismic activity.  In larking severe earth  | Plate A Plate B of other   |
| Cis Oreante Divergent  ain Fransformed Boundaries:  When two plates are moving  on each other proubbed due  to movement is is called as  Transform boundardes.  Plak A  Plak A  Plak A  Plak B  Right lakeral strike  Pault  each quake occurs due to  the seismic activity.  In larking severe each   | 5 3,00 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10  |
| Cis Oreante Divergent  ain Fransformed Boundaries:  When two plates are moving  on each other proubbed due  to movement is is called as  Transform boundardes.  Plak A  Plak A  Plak A  Plak B  Right lakeral strike  Pault  each quake occurs due to  the seismic activity.  In larking severe each   | is Continented and Divergent   |
| when two plates are moving to movement is is called as transform boundardes.  The plate A Right Pateral strike appeared this is how the foult each of the second activity.  In Turkiye severe earth  | is Oceanic Divergent   |
| to movement is is called as Transform boundantes.  Left loderal stake slip fault  Plake A  Plake A  Right lakeral strike slip  Therefore, this is how the fault  earth quake occurs due to  the seismic activity.  In turkiye severe earth   | Francisco Principarios   |
| to movement is is called as Transform boundantes.  Left loderal stake slip fault  Plake A  Plake A  Right lakeral strike slip  Therefore, this is how the fault  earth quake occurs due to  the seismic activity.  In turkiye severe earth   | Max shales are insulface   |
| Teansform boundardes.  Tell toleral stocks slip fault.  Plate A  Plate A  Right lateral strike op  Therefore, this is how the fault  earth quake occurs due to  the seismie activity.  In larking severe earth   | when two places care provers   |
| Plate A  Plate B  Plate B  Right lateral strike  Therefore, this is how the feult  easth quake occurs due to  the seismic activity.  In Turkiye severe easth   | on each other places care provers  |
| Plate A  Plate A  Plate B  Right Pateral strike  Therefore, this is how the foulf- earth quake occurs due to  the seismic activity.  In Turkiye severe earth   | विवार क्षिति । विवार विवार   |
| Plate A  Plate A  Right Pakeral strike of the foot the seismic activity.  In tarkiye severe earth  | to movement is is called as  |
| therefore, this is how the feult- earth quake occurs due to the seismic activity.  In larking severe earth   | to movement is is called as Transform boundaries.  |
| therefore, this is how the foult- earth quake occurs due to the seismic activity.  In Turkiye severe earth   | to movement is is called as Transform boundaries.  Left toleral strike slip fault  |
| easth quake occurs due to the seismic activity.  In Turkiye severe earth   | to movement is is called as Transform boundaries.  Left lateral stake slip fault  Plake A  |
| easth quake occurs due to the seismic activity.  In Turkiye severe earth   | to movement is is called as Transform boundaries.  Left today stake slip fault  Plake A  Plake A   |
| The seismit activity.  In Turkiye severe earth   | to movement is is called as Transform boundaries.  Left taleal stake slip fault  Plake A  Plake A  |
| In larking severe earth  | to movement is is called as Transform boundantes.  Tell toleral stake slip fault  Plate A  Right Pakeral strike slip   |
| In larking severe earth  | to movement is is called as Townstoom boundances.  Telt toleral stake slip fault  Plake A  Phase A  Right takesal strike slip  Therefore, this is how the fault  earoth quake occurs due to  |
|  | to movement is is called as  Toransform boundardes.  Left loteral stake slip fault  Plake A  Plake A  Right lakeral strike slip  therefore, this is how the fault  earth quake occurs due to  the seismic activity.                        |
| quake occurred which took many   | to movement is is called as  Transform boundardes.  They toleral stake slip fault  Plake A  Plake A  Right Pakeral strike slip  They are this is how the fourt  exists quake occurs due to  the seismic activity.  In larking severe earth |

