Don'ts: for Generaral Science & Ability verting vell. Know that acquiring e is one thing and reproducing it in knowled cording what's asked is another. gere are afew trings twould like to highlight. 1. A 5 marks part requires at least 2 and at max B 3 sides a paper. Know that there can be two Calution or three parts of a question and their marks are divided a cordingly. So, tales s'all of them in and anwest manner. Focus on time management. You get 5 minutes to solve one question and about 8 Aminūtes per 5 mark part ⁴accordingly. 3. You heed to the derstand that July paper is supposed to pokenore scientific than theoretical. So, add flowcharts and diagrams where required. Ы 4. Your handwriting and beatness can be really impactful. Avoid cutting and overwriting. Valution 5. Focus on your spellings and your grammar. Here, in GSA there's no deduction in marks but Il definitely crea e an impact. ark part requires all steps understand that a 5 m written and explained. Good luck for CSS 2025. You're gonna rock in sha Allah.:) **CS** CamScanner

Distance train travelled = 42 Average Specel Time taken Salution Speed Speed t = 1 how and 10 mins. Adding t unto departere time Amiral = 5:10 PM Unscrambled words; 1) Suprintendent a) Cylinder radius r. 30 cm _ Height h . Vodeme v s V = T6 8 Pulting values in the formula, (30 cm)2 (00 cm)

= 90000 75 cm 3

CS CamScanner

b) Average age of 3 bonys = 15 years Ages value = 3:5:7 Age of the youngest 5? Let re be the ages, 3re, 5re, 7x Solution . Mean : Nuege age No of boys $\frac{15\pi}{3} = 15 \Rightarrow 5\pi =$ x=3 so the age of the C) Adatified series:-I wrong number will be 447 because the pattern being followed is :-The cornect answer is because;

Section I Juestien 2

Aritifical Intelligence the new electricity
Following is the tabulation of demilarities showing how
artificial Interligence (AI) is the new electricity:-

Pomain

Andustry.

It also automorted windustry as AI-driven robots not only maintain The supply chais but also enhances whe inspection processes.

 $\mathcal{A}I$

Househald

Now Al-powered assistants control household deserves and optime energy usage though the smart appliances.

Education

I has revolutionized and took them one they ahead with Al-dyla tools Buch as language translation trade and mire leaving platforms

Governance It less in smooth public service delivery, from online complaint partals to predictive pelicing, it is abignitous -

Electricity Enabled factory outomation from power machiney to the assembly lines -

From lighting to assisting daily life choses through electric appliances, it assisted daily life.

Expanded access to the education to knowledgy such as exputer and digitised the Searning environment.

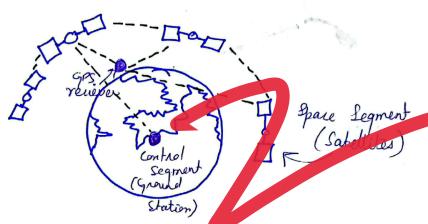
From Eupporting public whilities the Eupplying power to the government offices it became inevitable part of greenance. of governance.

Human Brain by CPV and the Human braining functioning in the following apparts: Human Brain CPU (Certral Processing Unit) Aspect Processes information and controls body functions Processes data and virstructions of computer Function Processing Speed Varoseconds Milliseconds to seconds Inputs and Outputs Concurrently Multiple taske performer simultaneously Parallel Processing Stores and retrieves data in ternal Stores and executes data in RAM Memory Programmed and learned from data Learning learns, adapts, forms new neural connections. Energy efficiency Low power consumption yor operation Energy consumption based upon the Balanced diet & Vitamin deficiency disorders A balanced diet, as the name suggests, is that regers to centif food which maintains health nutritional difficuences and excesses.

Balanced Piet Painy products Fruits & Vegetables Peteins Water Carbohydiates Vitamin Deficiency Effects - Night blindres / Vision Problems - Weak Immun - System - Anaemia - Neurological disorders - Skin & digestine problems - Oral Publems - Weak Amnunes eystem (impaired wound healing, Scurry) d) Working of Optical Fibres: Photons itiavel across the Optical fiber ithough the perpatual bouncing acre of the cable walls as whown in: Filher Optic Internally replected

Alabal Voitioning System (GPS)

It is a technology which provides becation and time information anywhere on earth where there is an unobstructed path of light. Its working is demonstrated below:-



Measuring 2D & 3D locations

Through the process of tribateration, a 2-dimensional position compaising of £Latlitude and Longitude are determined by GPS - GPS neciever needs the energe of the object by attend three statellites, it then measures the distance between the body /object and the estate and their point of intersection determines the P location of cemething of easth. Whereas, for the 3-demensional Jocation oletermines invition where altitude adds into the presenting dimensions, GPS needs coverge by alleast four satellites the process of tribaleration besides altitude above sea level gives the 3rd dimension of an object's Jocation.

Frestian 4

as Cille Bile is a digestive fluid produced by lives and stored in gallbladder before releasing into the unall intestine elimination It is composed of water, Bile salts, bilirubin, cholestrol and electrolytes that help in digestion by Kidney's role in excretion Réchege plays a key role in maintaining home stassis of the bedy through oregulating electrolyte balance, pienure and removing works products from the blood stream. Here are the vales it plays in rescretion: -Blood with waste Bladder

Hormone Filteration Kidney's role in excretion to remove washe products sprom blood Production ___ like enthyprotein Detorequation reabsorption of added of duys and related substances to the blesstram Secretain of Homostaris thurigh acid base, un Begulation an additional waste product c) Methods of Salid Waste Management It can be managed through various methods such as: l'Enuce reduction and ou des parkaging, reusable l'educts, efficient manufacturing process. Recycling l'reuse - Repurposing praterials conserves natural resonnes, reduces energy consumption and decreases landfull waste Comporting - decomposition Explain wash that add numents back to the Soil Property food scraps and trimmings. 14) Landfilling - Nonreusable warte is buried in landfills Maske to energy gastification becomes.

Microorganism eventdown waste through aerabic and anaeropic digestion Pyvolycis & Gustification - Thomas gases converting maste into intuable gases such as brocker, light quels.

d) Define terms: Insufficient red blood cells Anaemia) Symptoms: fatigue, weatness, Whertness of breath Courses: From dejucing, vit B12 dejucing, gentic disorder Treated Piagnosed through Appendix Inflammation Supplements Blood Fest Causes Appendicitis) Symptoms include the achdominal pain, Vorrit, feren Treatment includes appendertomy by blockage of appendix lumes Bagnosed through or antibiotics Imaging, blood This is an filters blood, removes damaged cells and stores platelets academic way of iii (Spleen presenting Keservoir of unmune cells coneinformation Eurgery and gasses Located in upper left abdomen Diseases ienclude w) My pia Opleenomegaly and Splenic ruptone Same number pr cem of I neutions but distant objects appear /(Isotones different nuber 9 bliny Propons in atomic Caused when eyeball too Jong for corner Used in classification Scheme too conved For example, Carpon -12, Natrogen-13, Oxygen -14