Keep length equal for all answers RAM and ROMETTEMPT all parts of questions
Write complete logic and steps in math RAM stands aportion and a market more paper presentation t is injurite size manay It can be seed and write injuite time. However, ROM (Road only memensy) is written only once not like RAM (ii) Network and Internet: NCEWOOK are the soutes of signals Huweves, Interest is access to The online woold. The networks. intespoths between a wes on internet world (iii) Natural and Axtincial Sattellites. Natural Sat ellips: The plane are said to be natital y sun As They send assound this center, sun. Artificial satellites The satellites wi oge man-made oge called satellites; po example geo-stati Satellites.

(iv) Byte: Byte is The unit of digital electronics. I Byte contsi Contains 8 binary digits (u) GPS, GPS Stands 700 global pusitioning system of is used to estimate the location System contain 24 is stellites, sychoinze to the motion of easth. at a time geo ion in locationis Optical tibes. Dezini bioni- Optical pipo for wed gos casoging the information composition of Optical Fiber: cladding ... Jacket

Wooning Principle of Optical Total Internal Reflections of is the phenomenon, where the 18th say cannot Come out grow The system. When light say incedat with more than 90 digree, it rejects with same angle in The system. In Such way light say signal pages in the optical pibes and coxy the information. It is sapid transportation system of information. (c) Explain working of Kidney. Definitions I've Kickey in human bog like structure. It ocrponsible for the gilteration of

Structure Kidney Medula Costex Nephrons Usetes of kidney that posterts structure of Iriday (11) Cortex: It is outer side wall of Kidney (iii) Renal: - The Renal the execution goom instentine Zilteration (iv) Renal Out - It sends giltered blood to the body. (v) Nephrons: These are basic junctional unit of Kidney and responsible you gilteration of blood. These are millions (vi) Uneter, It is path goo the waste outside

The Filteration System of Kidney Proximulas Ascending Helena Convoluted Descending Itelena Tubled BCT Helena Network of Capillary Tublers The above dipicted gigure The zilteration of blood. The in by Bonnous Fustha, the Ve absorb the minerals vitamis, acids etc goom those gos the out vein and giltered blood enters in body

Q5- Uses of chetromognetic radiations Definitions-Electamyneta tovel in vaccum with the g. 3x108 m/sec. a cledromagnetic sadictions 1- Hadis- wave:- Nosio wase is low sequency and higher worke long the ctomagnetic wave, it is used Job Compunication network as signals also used got monile networks-Micsowave, - the micsoaus is used satellite communication waves gan penetrate inside The clouds- XIso, these axe wed microwave overs in domestic 3- Infra-sed waver- Ingra sed waves one ich copy the hear These are used in Ty gemoties

4- Utsaviolet waves, There se und in beauty tanning baths a ments as well as to 5- X-roys- The X-ray electromagnetic of borses, the highes forguency Y-xoy is also used in the treatment (b) Explain LED axe light cmilting diodes. Symbol. Soput Explanation Tight emitting diods was widly used if applications like the bu IDs in mobiles. There are made material which is highly sesponding by electricity. When agrent pass Through such material. The transition of electrons produce an energy

in visible range. Thus this dioch which is a kind of semiconductor emitts the light. The emitting light say colors depends on the duping of semiconductions LEDs can be of you have as Yellow colour. Howorks, the combination 4 - these made up a white LEP. As these are highly desponsive and sensitive to clectricity, These are cost-eppicient products. That saves (c) Describe in short Ceramks and Semiconductors. Ceramica Ceremic are inorganic. solids. These over made up of cithis metal or non-metals compounds. but one main property of ceramic are that there or highly glame resister so wed in switch board, Clector networks, Constantion Sectors milsochips because of extremely high

Semiconductoss, Semiconductos ore materials which behove as insulators at room-temperature but extend to -this act as concluctors. The Foobidden gap between yource and conduction hand in semiconductors is more Than conductors and lesses than insulatios. Band in Semi conductors Conduction band t-osbidden gap Semiconductor Foobidden gap Insulation servicon dutos Types of semi conductors. is Interes Semiconductors: Semiconductors semiconductors are pure natural conductors which one goes of imposities

(i) Externsk Semiconductors: There semiconductors are made oftigicially by adding the impusities called doping. It can be depped grom III of In group y peribolic table. The TI group doping made P-type somicolludor Conajority of positive charges or In group are N-type semiconductor in which. negative charge coxicos dominates. Impostance of Semilanductors Semi conclutoss are called as brains In specially that its propostics can be moderied as per requirem(b) Doughter's age = x Futhers age => y = 4x - i) After 5-years y+5 = 3(x+5) - (ii) putting of (i) & (ii) 4x +5 = 3(x+5) 42+5= 32 H5 4x-3x=15-5 /x = 20y) Doughter's age Father's age now = Volume of jootball = ?
Diameter of jootball = Dem = P

Pradius of jootball = D = 12 = 6cm Volume of sphase - 4 183 - 4 7 (Scm) = 4 x 22 x(6cm) 8 x(6cm)3 16 cm3 4.19x216 cm3 90.504cm Answas

Perimeter of Pentagon - athterette =5 x281m pesimetes a pentagon = 14.05m (99 (A) A vosage of seven consective numbers = 20 =) Avosage = mean or mid-point => 20 15 mid-point q 7-conser live number Sexion= 5= 17,18,19,20,21,22,23 - 20x-7 Sum = 17+11+19+20+21+22+23 Answed

(Female) Relation:number 7+0,7+5,19+7,19+9,28+11,39+13 Answes

