Keep length equal for all and Increase length LAS Add headings Draw diagrams Work on meth portione Cipse ECLIPSE! Eclipse is define as: ce The obscuring of one astronomical 2. Lunas eclipse Solar ellipsé Solar selpse auce Wen the moon is the earth Lunar elipse Janu. Lunar eclipse occur when the the sun and DIFFERENCE BY SOLAR AND ECUIPSE selipse ofthe when early s between be ween the earth and su and Rays from Partially or fully block while mount towards the south

Three types of sdar eclipse Total solar eclipse Annular solar eclipse Faital solar eclipse Three types of solen huma, 1/19es: · Partial lurar eclipse · Penumbral lurar eclipse All minutes longes [Donation. dongest duration of Lunai celipse is an hour-Frequency occurance I call twice in a 2 occur one time is eighteen month year-Phase of Lunai eclips focus. The solar eelipse moon moon large circle In Ils moon appear Appearence awyld meen appear bleause of sunlight dangerous disset eye contact is possible Hell. It is dangerous while dreet eye contact ause dose of enjewiston Sun man (earth) sur leath (mon) Salar celipse Lunar

· Annulai Solai Penumbral soina celipse. eelipse of occur when patrallight appear and earth not fully hides the moon Il occur when the partial light are fall moon not fully hides the rays of Paul (b) What is the origin of universe, how age of universe can be calculated ANSINER: ORIGIN OF THE LANDUERSE There are no. of evidence for the expansion of the universe, but the med are pled among all is expansion of universe on Bra Bang Theory
explain by "George Lamaitre". To well know
mathematican and astronomer.

Big Bang Theory explain the excurgency
the universe which result in the expansion Before the creation of universe our universe

ret singularity is which the universe in a single point with sew temperature.

and anivese was a hot dense single point. Fast Similarly, the matter and energy had the same state temperature soon . Further, energy deminate the mater.

Thoul 13.5 billion years ago single forces suddenly expanding from the singularity and resulting in the farmation of time is species.

As the court was a singularity of time is species. resulting in the farmation of time of space
As the space expanded and temperature
slowly cool down groundeally resulting in
conversion of onergin and conversion of energy and formation exquents 3. tomation Eventually quales stail making atoms, particles and sub atomic partially which particles and sub atomic partially which resultingly grow with prage of times formation of preton relection sub atomic formation and miverse which we have harden in the Jaimation of parfectes which while planet aster y can see today

TO MEASURE THE AGE one following Via- Hubble confart Extra pleating Detellingcomic Determining Background thatian. Extraploating Big Bong. granding to universe à about billion years old which using the hubble const by using the hubble constant is directly no partional to the speed of the universe The further the galaxy was away hod V= age of where can be determined by

SPECTRUM by the help of star spectrum blue that has how treg of tend to dre to star bright star has less energy as compare to less bright have greater herministy exit for longer time. The stare mass also help to find dife the massing star die quiltly as less missire. COSMIC MICRONIAVE BACKGROUND losme Microweve Keekground help to find the to of the unveise Areno peinias 15 SEM1 CONDUCTORS: Semi conductors are the type of makeral thatexist between the conductor of insulators.

and has electrical resistance flow metals of
the name inclicate semiconductor
of sometime thread as the integrated circuit
microff made of up from pure referrent of
Silican and germanium as compounds like
gallium as assenide

SEMI CONDUCTOR OF MODREN ELECTRONIC: Semi combiler are made up of mi

thus child appliance, transpoil recurity machines
health case,
the are used in computing are the
first modern mean a computation. Depending
on the the type of Micro chip semi-conductor
use binary child Tele communication:

The principle is same win computer

the principle is same win computer

battery use and that of features in

mobile phone

House hold Appliances:

Also used in Refrigerator Michoven,

washing mathines and offer security

purpose, The ship control temperature,

heat Banking:

Consider the banking sectors homes are major

investors in midiocho deal with digital

aucung atms, and security camera, doctor

machines. machnes In short sems conductar or sew pution sed the Farld).
GLOBAL MARMINE!

Global warning is the long term heating effect of earth surface lobsered since & 1900) due to human activities Global waining occur when the con unlight and change the temperature Main Company Confinence of global warming are
Major desposant of global warming are
Co2 with result in reaction with
earth temperature

RFFE T OF GLOBAL

Because of Secause of pres house effect earth temperature while regalt of the different the differen Species stad methy because with the time each temperature high and resulting floods, Depletion of Ozore Layer

Because à Gobal warming eau

femperature derrease gradually origination paricle like like (FC3) originale from Effect on human:

polition of cause of GHG's and depletion directly offeel human to different diseases by Measures:

Some refrigerator, AC, and Care can read with some Repedial measure must be taken to solve the problem.

Reduce the emission of CO2 Reduce emission of Reduce Use of Industrial wastern Tais. Alos a pastic , which uses light (photon particle ansmit signals. Therefore the Fransmission Los of communications greater those the modes of ammunications of such as wine and metalline wine and resulte si suset in the form of diff numerous

HOW OPIECAL FIBRE WORKS, requires that light should be letting confined to bre with in the fibre and not escape from This can be done by continuous per naction Travel in the straight likes, are designed in the way all light rays inwards. continously, bouncing off the walls and Although light s do degrado material used, the loss to ung metal cables. core. cladding

and reciving Tele communication for transmiting Used in ARS & seismax per lication

Part (b) Used to Used in wigging in for SONARS Global positioning System:

Geo positioning systems of significant feetinology that produce the pin point docation a velocity and time 24 hours a day. of any shing on the earth with uttra

Thigh accuracy, Although the GPS project

has been started by the US Defense Dept

in main stream until 2007

MORKING OF GPS: 3 main fundamental segments · Recieves · Control system orbit around the east ar Almost 31 satelite confe nously emit radio sign different and each they

appraching signals 27 90 Protable actively and measure location triangestation, esi referring to three, a prininum saterlutes are alway require produce accurate signals GIS full form Geographical Information tem. It takes data collected from many sources in mont form as I'm put ? and conveil it into Information depending the process adopted by the view of good graphic data. Il widely d'Afriene !

Application sudies. And also Pr environ mental application used in transportation, road network planning, Used by militry used Planning, Used 1 SOLID MASTE MANAGEMENT The disposal of domestic vefue o commercial. and industrial solid wastes or semi-solid materal Es studied under the title . The domestic muniquel solid waste mostly consists of garloss waste treatment plants commercial defuse, ain pollution control , construction behits slage from the water supply and othe discard sloge from the water supply one material of SO(ID) MASA Solid domestic garbage solve waste material from various industries Solid aprilland seste Dissac P. 39less, metal se-waste Contraction waste. the proces of waste handling & disposal countries.

They are classified as Myncipal Colid waste Hazardous zolid waste. From homes and from Due to pour sole monagment mony environmental problem effect on human cause human - cause diseases Knuironment cause pelloution Water pollowition Ocean -> a Atmosphere pollution Wock diagram Digw Briefly explain ain Memar . key board Speaker Scanner Dala proceso Nebacan Hopp y dish CD ROM

There are none students on a group having 15,15, 16, 16, 16, 17, 17, 18,190 Carculate mean 2 medium 2 mode & vange Jes also. of their Mean : Sum of Values
Total no of values 15+15+16+16+16+17+17 +12 Definitions? = 16.55 Median Median = 5 différence between maximyn values minmyn value Ranges 1

A coud is of awn at sondern from a hox containing 12 couds numbered. 1, 2,3. - 19 1. Probability of an event than can't happens

ii an even number: S= 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 del A be the event selecting even no = 2,4,6,8,10,12 P(A) = K square:

Negative no: be event

Write complete logic and steps

Calculate area of primeler Square AB= GF= AG= BF=19am & Area of ABFG = 12x12=144cmb Triangle
Pathag orons thearm
(EF)25 (BE)2+ (BF)2 Area & BFE = Length x width $=\frac{19\times9-108}{2}$ = .54cm. BC=DE=DC=BE = 9cm. ABFG: 9x9= 81cm.

ABFG+ BSF+BCPF

144+54+81 = cm²

Perimeter = AB+RC 12+9+9+9 = 78 cm