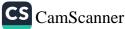
(1) Date: Day: Section II Follow-step wise mathersolution Diagrams Good flow charts are appreciated Average marks of 40 students 32.15 Number of students - 40 Marks of a student is taken 49 instead ofst To Find New average morts of class Formula Average - Som of all students marks Total number of students let sum of cill students mayber = x $\frac{52.15}{40} = \frac{\chi}{40}$ x= 52.15 x 40 x= 2086 Sum of all students marks 2086 As the student marks was taken as 49 instead of 85. Sc Subbract 49 from 85. - 85-49 = 36



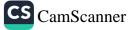
Dat Day Now add 36 in sum of marks, we 2122 marks ael 2122 Average Average _ 53.05 so, average marks of class = 53.05 Given Data People like vegetable Pizza=37 People like Chicken Pizza = 25 People like neither pizza = 3 To Find Robability that person like, chickenpized this step Formula Probability = Number of Possible outcomes of an event Total number of outcome 95 Fropability = 65 So, probability that people like chicken pizza is 5/13



Date Days L niven Data Veena van in East = 48ft She ran in North = 20ft To find If she would have non straight there from where she storted, how far would she nn Diagram W Ising Pythagene Formula Hypotenuse) - (Rase) - + (Albitucle)2 (48)2 + (20)2 2304 +400 2704 Falcing square root on both proles x2 = (52)2 x - 52 Ft So, Veena has to rim S gfeet reach from where she started



Day Date: 0 Silven Dat widt of rectangular room-60.1. of length ength of classroom - 15 Fee To Fino Room dimension Formula ength width Area. SG 360 8100 23 wolt ridth Fee Area C C



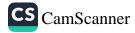
Date 2 Day Griven Daer Doyears, Aman age will be his age loyears back Himes Find 0 Present age of Amon-? Assumption et Amon present age honge After 20 years Aman age Amanage OCIC 1eors Condition x+2 N 0 12 13.33 13.3 yea Amon is resent age



C	
Given Data	
Peter can now the law in - 40 min	
John can mour - Gammutes	<u> </u>
To Find	
How long will it take for them	
to now lawn together	



.C. tighest common 30 0 9 6 Peter lawn together in dominutes.



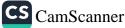
Date: Day: Tiven Data A person multiplied by anomber = 3 Instead of - 5/3 Percentage enor on calculation -? 35 =1.063 16 -Now in percentage of error= 106.3.1. Q_ Distinguish I.O and E.O.? I.Q Aintelligence measuring Qic ells about the menta quotient .4+ Moreover, it bightig Pers is mental capabilitie 0 calculated by dividing ciop of the ente Derson ysical or real CIQE Krental ago \mathbf{O} Physical c policates Higher 50 value the that has person strong



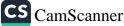
Day Dates mental power endintelligence level $= \Phi$ EQ shows the excellence quotient con individual. It highlights the sersons performance and guage his execuence in performing task. SectionI Co-4 cà Hepabilis Hepatitis is the disease of liver. It results in the inflammentar of liver and impedes its hormal functioning. There are different types bepatitis on the basis of differen Causes Types J Hepatitis A Hepabilis A is the less severe type. It Causeo



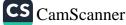
contaminated food and water. Lepatitis B Causes It is eaused by using contaminated Synges, injections, peoples, contact with infeded blow Hepatitic Causes Hepcilitis C eniginates from transform Hepatitis D causes - develops in persons which are already affected by hepatitics. Hepatitis E Hepatitis E is "least common type of hepatitis. It and also develop at any stage of life. Symptoms -ever Nausea Symptoms Muscle Pain Fatique Yellowish skim Liver dis functioning



Prevention > Donot eat contaminated food R Always drink clean water Avoid using already used symples, injections sterilization of equipment at hospitals > Always conduct blood test before blood fransfusion Food Preservation The process of preserving food from spoilage and extending its shelf life is called as food preservation Freezing Sugaring Drying UR O Chemical anni



Cooling this method, foodi are cooled in order the paterobial growth in food products when microbial growth reduced, it extends the life Food Freezine In case of freezing method, food items are placed at OC'in referigerators. It completely inhibit the growth of micro-organism. and prevent food from spollage. meat items are usually freezed. or -> Food Placed Drying Drying method involu reating the food in order to remove moisture from it. Because water content is for increases the chances of cod spoilage



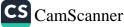
Capping is mostly widely used method in Middle Eastern countri where agricultural products with is very low. Under this process, food is placed at high temperature fire to completely remove moisture as well as inhibit microbial growth infood and then food is places psicle air trept jars. Use of Chemicale Vaniety of chemi for preserving food. For example some chemicals are used in making spices to extend its shelf 6)Sugaring In the method of sugaring. sugary symp is used for present food from sporlage. This methodis often employed for preserving Fruits, cold on pls, etc.



Salting In this method, salt is used as a food preserver. Food rs prevented from spoilage by sulting it. Salt sage slows alaun and sometimes inhibit the growth of bactoria, fingi etc in food and maintains its substimul content Fertilizers The substances which and added in soil for increasing its fertility are called as fertilizers. Fertilizers are widely used in agricultural fields to compup production level. Elements of Fertilizers 5 Potassium Nitrogen Phaspherou Rot and Role in plant Increase soil fertility gravel sten growth



In complete Types Organic fertilizer Inorganic Fertilizer Organic Fertilizers The fertilizer which are F plants emo em enjuen cinimal's repoparts termed are organic fertilizers. Example: Animali monire re used commonly as fertilizer in village orreas norganic Fertilizers Fortilizers are produced in industries that lack organic content called as inorganic Fertilizers 2 Palliston, morganic festilizer are commonly used by farmers Complete Fertilizeri fertilizers that give all three elements nitrogen,



potassium and phasphorous to sold are termed as complete fertilizers. Example: NPK fertilizer in Pakistan Incomplete Fertilizer The type of fertilizer which gives only one or two elements. to soil are called incomplete ferti izers Example: Nitrogenous Fertilizer, Potash fertilizer Direct Fertilizer Direct fertilizes provides nutrients to plants directly, when they are applied Fertilize_ Indirect Fertilizers hese ferrilizers applied, inculate nutrients in later absorbed pich are by plant.



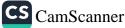
Day: Date Portilizer: Anatomy of Teet are important ppf body. They burnan arts beings in chaving assisuman * product Teeth are covered by hardest layer known as protects the teeth enamel which from any physical olanger. ter enomeli af Then coothe i'S rotea layer SP CYD r de AELLO PI eet strengthenmo



Date 0 = 3Sun and 4ts structure Sun is an important part of the solar system. It has a comple structure. It consist.of: 2 Radiative 2000 1) Core 3) Convection zone 4) Photosphere 5) Chromesphere 6) Corona Core The inner most part of sin is core It has very high temperature of upto 3million degree celsius. It is the place where nuclear fusion reaction take place and energy is released Radiative Zone It lies between core and convection zone. It transmits energy released through nuclear fusion reaction to reach convection



Date: Davi. Convection Zone In this parts process of Convection takes place. During this process, solar rays attain energy from radiative zone and reach at the edges of convection zone After releasing outword, emergy the process repeats itself Photosphere gt is the visible n which appears ella of su Through photosphere, solar radiante are emitted and rached the Earth Chromosphere is the second region of the sun. It 1 1900 fhe sime c at + shows reddish colour eclipse. during solar eclipse orma The externost part of sun but cannot be seen by nelect eye. Solar winds that antain charged porticles are originate



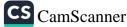
Dav Core Radiativezon Corona Convection 5 Chromosphere notosp Structure of Sum simoni Isunami is the sudden displacement of the large volume of acter, usually occur in opening or seas highly destructive in nature There are different weils of generation depending upon causes suncridue to Under sea Earthquake When under sear earthquale places due to the movement f tectonic plates. St gives energy water and cause it displace in large volume from one place to other.



Day Date: Karachi also remains under breat due to the changes of Tsunami in Arabian seq. Volcanic Eruption If under sea, mother taying emerges on sea bed, it releases enormous amount of energy which cause water to displace on results in Temami. Tsunami Due to Avalanche Avalanche is the large mass of ice that also trigger Truncomi when it fulls in ocean or Seas. Tsunami Diagram Tsunami Ocean xamples highly destructive a surrance cuas accured in the polian 'scean which resulted



the death of large number innocent people Pollution Environmental The negative change in the composition, properties analquality environment is termed a environmental pollution. Environmental polletion has reputted in climate change across the globe water Pollution Soil Pollution > Leads to change in chemical, physical properties of water. > It determinate Soil quality: Environmental Pollution Air pollution and fountion it is lethal Sit cause negat type of pollution impact on land armful Impact Environmental pattotion has various neglective and harmful allado



Date: Days At causes respiratory diseases H in human beings like asthma, hydriaet R > Environmental pollution is the source of global warming that is driving N Climate change. F Due tomse in global temperature, glacters are melting at speedy rate and which are causing floods as well T as water scorreity across the N P globe. 2022 Flood in Pakisten is A the manifestation of it C > Air Pollution is decreasing the life expectancy of human being feari Solutions It is the need of har to Fossil fuels from the phase out world at immediate basis. transition Renewable energy •) can help to miligate environmental pollution



Fuel run vehicles should opplaced with electric vehicles has also conanceolite Palaistan Vehicles - electrification police 2030 All the compustible matters share burnt in incercator Scrubbers should be used in vehicles to reduce hamfulgas emissions Remote sensing should be employed for tracking environmental changes. 9 Wireless Communication It is a form of communication that doesnot requires wire Connections to transmit signale Examples Mobile phones are the best example of wheless Communication. People can now talk each other, even located at wider distances.



working of a sotellite Scitellites orbit around the Earth and send, information the control mits on the Earth The working principle of scalaliter is termed as Trilercetion is launched in the satellite space with the help of a rocker when nocket reaches exact destination in space, i eques satellite there. Lamphing secter After working there. Satellite start information on Earth be send receiving different signal rays in Space For determining exact foration of an object with the belp of satellites, it must be under the three satellites. range of way satellites operates > scatellite g ? object.

