Batch 326 LMSID:27214 Ali RANA No ion 3 Insuffici Alnsufficient headings held Write 3 sides for 5 marks formed gre Patter presentation is fine Write complete logic and steps in math portion -15 m ó.f two amalgamation The Stoutt gravity 0 black hole 15 strong That enough light Cannot Scape even rom it. is black hole A object Ó. m entreme densit Strong gravitation Ven mo Pull. The impalance and 0.1 avarity internal Pressure collaphic Caule 61 a internal Pressure External Pressure Another also cullapson name black bole is 08 Collaphe Harr 6

B) Pakistan is vulnarable to Biparijoy Cyclone newdays. How cyclones are formed. A cyclon looks alot like a tagge whistpool. looks like a huge many of air which just rotater. It is Just a cycle of air. How they formed ave A cydone is. -the region of high Pressure formed due air. usually to Pressive of and Centerifugal ai force Right Centrifugal force Northern Hemisphere Southern hemisphere Left\_ 2 Centrifugal force Main PANA of cyclone Eye: Clear are of Sinking air 11 iS calment part

Eye wall: It consist of ving of thunder stroms and heavy rain. Rain band: Curved band of doudy and -thunder storm. Effect of cyclone. Cyclone left behind huge level of distruction as it come along with heavy raind and high speed air - currently pakiston had faced. Biporjoy.

c) some common causer of foods Flood are when a piece land Suddenly Submerged into water. There are many causes of flood. Some main Courses Heavy Rains & The concept of heaving rain. Vary with place to place like it's normal raining whole day in Bate but it it. city the Karachi it happen Cam. foods trigger Poor drainge System. Poor drainage system is also another cause of fronts. It facilitates Conditions of floods. when water will not property be dramed it will make routes from Streets etc and cause flood. Encroachment over river banks: illegal encroachet over given bonks prohibit the flow of mater, Slowly Slowling making it to over. destractions. flow and Spread

climate change: The worst problem of 21 st Contury. Making unusual tains, Melting glaciers, abnormal air frows, cloud bushty. which are the main causes of flood. Breaking of dams: when a dame is broken it flushes everything in its way. as Dam are huge reservious of water. Effect of floods floods bring devastating consequences with it and heavily impart - Economy Enviroment, people and animals etc. "The floods of 2012 pakistan According. to UN Pakistan will need \$30 billion to overcome the destructions left by floods" along with this pakistan allo losed Human lives and live stokes.

D) How energy is produced inside son? what factor responsible for gravity. of sun? How will you define solar wind 2

Sun is the center of our solar System. The energy on sun is due to Eusion reaction on sun Fusion reaction is when two Small combine together and nuclei form q modei - is called fusion reation. Heavy Hydrogen + Hydrogen = Helium fusion reaction on son is a cyclic process. Cycle of fusion reaction > 0= The gravity of Sun. 7 274 m/s 19 which is almost 270 times greater thom of earth Che Sun is centre 64 OUX Solars System and all

other planets revolve errowe Sun due to it's force of atraction. The murand of sun on its own any is responsible for its gravitational force and its Size allo. actually Solar winds are > -the flarer of sun produced from its Susface - Caulled solar winds.

Question No (4) B) Describe Some methody of solid waste management. Solid waste is the daily waste produced from house holds, factories Industries, HOSpitaln. and it should be manyed . in a way that it can not contaminate our environment. Some common techniques are Open aumping - if is most used technique in which the wants is brought away from residential grea and dumped in om open place that it should not Pollute water, forest, animally etc. it is most unsafe method. Land fill method :- In this method waste is buried underground. It is monitored that it should not meet grow water and minimum 2 meter ditch is

duged for land fills and covered from top it can be done on 2 Hectre to 30, 40 Hectres. Incineration: It is another method in which waste is combutted on very high Heat. it contains some chamber like Structures. A temprature of 650-> 1100 °C given in kiln A then through B and c Sent to kill, D where a tenprote of 950-> 1300 is given and through E it will Send to kiln F in composit form-Pyrolysis: This process is simply the thermal degradation of organic material in the absense of air. This process -deals with organic waste. This process also require some champers to degrade waste.

D) Explain covalent bond in water molecule and its angular structure. Covalent bond is formed by the mutual Showing of electrones in atom. Covalent bond of water molecule lone aur -> lone pair water molecule mendar The îS in Structore becaul one pair lone 01 pai repulsion. one pair is pair of free electrones which does not participate bonding . in H

c) what are common causes of water Pollution ? Water Pollution is Caviled when pollutated are added into water avoid contaminates water body. Dumping of Solid waste: It is most locally Used Contemination of water. where, people throw or dymp their waste directly info the water pooies. Industrial wate : This is most domperson way of water pollution as it contain harmful chemicals which change properties of water. Inductries Secreta their waste into river etc. Disposal of sewage wate a Sewage waste is mostly durped into water canali etc.

Scanned with CamScanner

har pice Question No 7 consecutive mumber 15 A) Average of 20 what is largest suber 17+18+19+ +22 10 20 7 So will be -the larger 23 unibe B) A told B that I is his his fathers nephew. D is alse cousin But not brother c what relation 01 is there before and 1 5 A's cousin but not rollies of c meins. Sister of c) 7D B A · (A's fathern nephew mean A'S Cousin 80 D is Sister 6.1

c) find the next number in the Sequence 12, 19, 17 28 39 ? aditio An of 2 is happening in base 5 every ext umber.  $\rightarrow 28 \longrightarrow 39 \longrightarrow 52$ G +2 5+2+8 5+2+2+2 5+2+2+2+2 Answer be SR Will D) some of money is to be distributed among A, B, c and D in the ration 5:2:4:3 if c gely RS 1000 more than D what is B's Share. The sation of A, B, C, D = 5:8:4:3 If c gets 1000 more than D De motor team REALER Lets assume total money is 14000 divided according to given rotion. A = 5000 , B= 2000, C= 4000 D= 3000 3

Here C get 1000 more thon D So the Share of D will be 2000 Juction No 8 A) Ali is standing so maway Distance from eye to feet = 1.5 meter Distance from eye to top of tree = 15 meter Hight of tree = ? 15 m 1.5m 10 m Tree The hight of the free will be Perp [ Bone HYP/ perp H 2 -Base Hieght 16.5 meter

c) Symmetry of Hexagon symmetry of octagon How many lines in circle? 6 ( Hexagon 3 8 octagon 3 There are infinite number of times in a ciscle.