Keep length equal for all answers Increase length Work on math portion Part-11 Section - I Introduction: solid waste management is a system of collection, deposition and dumping of of the waste materials produced in Cities and other populated areas. It is necessary for preventing pollution. It is mostly done by metropolitan asporations.

Methods employed in solid waste in dealing with solid waste. collection of the waste: The Josemost step is the Collection of waste across the city on a metropolitan area with the help of Collection vehicles such

Twicks, rickshaws etc. A Skilled labour carry out these activities. with the help of machinery. Deposition of the waste: The Collected waste is brought to a single point present in the city. Here all the wasted is collected which being brought with the help of differen vehicles. The next step here is to sout out "lecycleable waste" which is sent to different inclustures gon recycling. The less of the waste Dumping off on decomposition

of the waste: Different methods are used to treat Solid waste zon example, domping off in the ground, incineration, and

(3)

mixing with the soil. Animal and plant related waste or in organic waste is usually mixed into the soil in agrice Hural land to increase the pertility of soi Pre cautions: Dumpine of should be dene Jan Jeon the popi lange because it may lead population and soil injectility should be solid waste Jollowing the Sops, will lead to you the fabour hazara stous lisk as a whole. Conclosion: Hence, solid waste management Collection to domping by private companies departments.



Date:	
Q4(6)	
990	
Introduction:	
Heart is a major organ in human body. It is a muscular organ. Heart plays a vital role in human bood circulation  System	
human body. It is a muscular	
organ. Heart plays a vital cole	
in human Good Circulation	
System.	
working of human heart:	
Heart is a vital organ, which plays	
a major role in oxygination of Blood.	
B/00d:	
Blood is made up of plasma 55 y. and 45 y. of blood cells.	
55 % and 95% of 6009 (ells.	A
e-g Red blood cells, white blood cellse,	Kan .
Rood plays a major wie in painspear	701)
or vistamins, mineral and saseous territe	
in different parts of the way	
function of veins, ameries were	
Function of veins, anteries and cappilaries:  Heart carries toloo do to and  the body with the help of a	
flear Carries 10/00 cms 10 cm cg	
Jeon the body with the help of a	



network of veins, arteries and Cappilaries. The Veins Carry deony gentled blood from the body to the heart except the plumonous vein and acterities carry cargenated blood from
the body treat to the body except plumonoxy artery Heart and its parts: and their junction:

Heart is made up of Jour Chambres venticle i) fight auticle in left ventricle

iii) Left auticle in left ventricle

The base also has also some valves to prevent the back flow of blood. Lest ablacle Right wentricle Figure: Human heart. Function / of heart: deoxygenated blood enters



Day: Vana Cava which deliver blood to eight autricle and right autricle transjer blood to right ventricle. If other transfer though to jungs through pulmanoly artery. The oxygenated blood is then transfered by longs to left auticle. Left auticle send to 191 vinticle. From the lest ventricle oxygenated blood is The shole body. fransfered ba Con Clusion: Thus, heart is a major knuscular Organ of the human body deoxygenated blood to longs the longenated blood to body

C/8 (c) Introduction: Conditions of human eye in an one cannot not see thingseither at long distance (Myopia) on at short Myopia: On Short sightedness Myopia is the conelition

Of eye in which a person is

omable to see the clistant objects clearly. It is because the light is not accountly gocused the fating In homan eye The Causes of Myopie are genetic, Houever, through using consave lens
we can fix the issue of
Myopia in patients.

Date: Hyeropia: On Jan-sightedness Hyperopia is a Condition in which a man is vrable to see
the nearby bjects but he can see
the objects at a distance. leason is that the Joceseef behind the rationa However, Convex human Major eye: Tuis Pupil Ratina Seclera Newe tissues

Date: . Conclusion: Myotra and Hyperopine are Conditions

of homan eye in which a patient

Can not see near objects in the case

of Jan sightedoress and cannot see alistant

objects in case of myopia.

Of 4 (d) Introduction. Microwaves have high penetration power or high Juequency there jove, used for cooking purpose. These waves enter into the jood and heat it untill it is ready you eating. Used for Communication purpose Microwaves are also losed you Communication purposes. For example,
Used in sattlife system you
Communication between radar and a satellite There are other uses of microwaves as well.



ii) X-Rays Uses: X-rays our electionagnetic lays which are used you the jollowing purpose: Medical Uses: In Medical Sciences, X-rays are used to diagnose diseases and practures in the bones. These rays have high penetration power. security purpose X-rays are also used for security purposes among other uses. These are used in scanners ato the arriports On official buildings to detect objectionable iii) Uses of Ultraviolet kays: Uses in Communication: Oltraviolet rays que used for Communication purposes you a shorter distance for instance, used in to remotes etc

Date: \_

-2-2-	
	Carrying Sun's energy to
	earth:
	Ultraviolet ray also carry son
	energy to the earth. Hence, a
	major source og energy carrier.
	major some
	Uses in remote sensing:
	Uses in remote sensing:
	Ultravillet rays are also used
	5 4.
	in remote segang In this
	phenomenon a terpote sensor
	theough hight on an object to
	collect data. Here the source
	light are b/traviolet rays. which
	casey light toughds The Object
	and and seglect back to the
	source i-e hemote sensor. In This
	to senino Collect data geom
	remote sensing collect data grown the reglected Ultraviolet rogs.
	the reflected officional regs.

(12)

Date: \_\_ Q5 (a) Introduction: Food preservation is a method Through zood preservation, the shelp life of good is increased. Methods of Jood preservation: Following methods are used in food le juigenation: Many bacteria cease to act at a lower temperature. Therefore, good is preezed which increases shepp life by good It maintains the taste of good. Canning: Canning is another method of good preservation. In this method boxes. In this way the good is prevented from microceganisms which increases

its shelf life pasteurization: In this method good materials
especially liquids gy boiled to
feill the microorganisms. e.g many
bacteria are killed at 100 E. So, pasteveryation helps to keep good preserved you longer duration. Dehydration: In this method good, usually meat
like products are direct under the
sunlight. Dried good is gree from moisture
therefore microbes are unable to propagate themselves and good is preserved you longer of. Packaging Packaging of food is also a method packed in boxes etc which protect them Jeon damage dowing transportation and a so protect them year microbial activity Application of chemicals: Adolitimes

Food preservation also include additive Usage. For example, salt and segan

Date: \_ are added into the good to increase its shelf life and protect it from microorgo Trans journation of journs products eover good is also processed to instance their shelf lize For instance to the parts into Muraba juices etc. It helps to the good in off leason. Conclusion: Canning, pasteurization, reguireration et

Q5 (6) Introduction: Milly way is the name of galaxy In which earth's solar solar solar moves. what is Milkyway? There are thousands of galaxies in

the Golan System universe and

each galaxy Consists of hundreds

of solar systems. Milkyway is a

galaxy in which our solar system

Junctions. Relationship of Dark matter with glazies: Dark matter is made up of non bonding objects therefore, it can not be seen yet. The dark matter and galaxies are both Cosmological objects



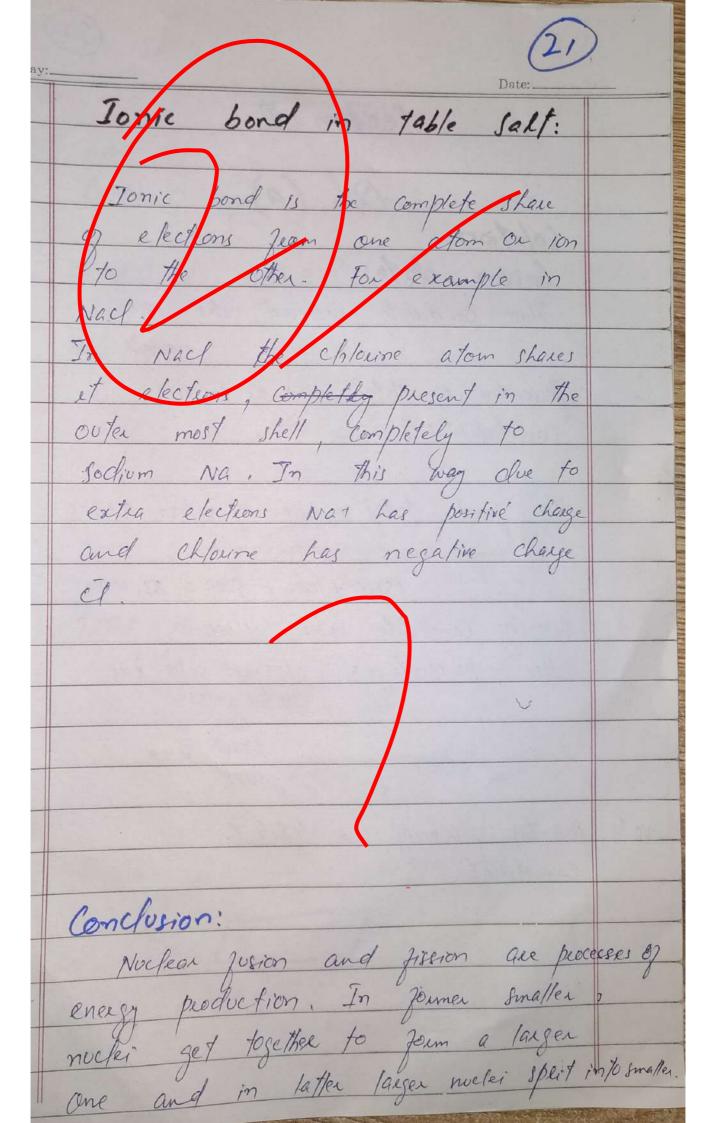
Date: Conclusion: Gralaxy is a consmological object

(F)

Date:!		
Q5 (c)		
Introduction:		
Solar and Ivorar eclipses are		
phenomenos Ma our solar system.		
It is the darkness of one body due		
phenomenos Ma our jolar system.  It is the darkness of one body due  to the other.		
Difference between solar and		
Here are the following differences		
Here are the following differences		
b/w solar and Jonas eclipses-		
Solan eclipse:		
When moon comes in between		
on part and the son it is call	ed	
Solar eclipse. The moon half the light  of son reaching to earth which causes of  Bodies involved:		
Or son reaching to earth which causes of	falleness earth.	
Bodies involved:		
Sun, moon and earth. Here some	904	
comes in between for and mark	\$	

Date: Causes: The main reason is earth's revolution around the sun. During the revolution a period comes when moon comes between son and month. solar eclipse has zollowing types a- Total solar eclipse: when moon come directly in between Bath and son baceing complete you of funlight to earth. b- Partial solar eclipse: when moons comes partially between Son and earth, leaving some sonlight to reach earth. Lunau eclipse: Luna means moon. The eclipse in which earth loones in between son and moon, leaving moon in darkness.

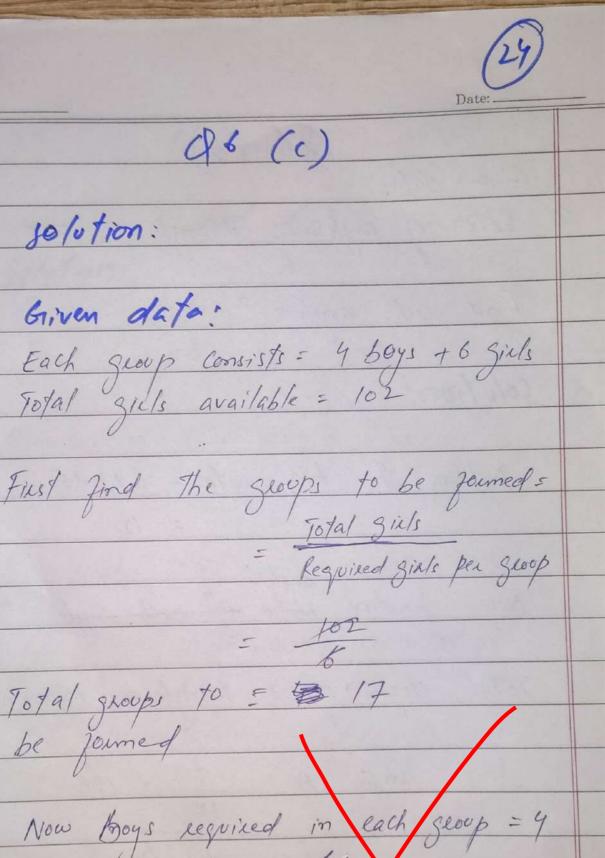
Date: \_ Types of Lunar eclipse: Lunar eclipse occues in Jollowing Partial Junas eclipse: earth does not come directly Son and soon, leaving some eclipse: earth comes directly between el moon deasting dayloness. Solar and long darkness of one moon or earth to reach them respectively



Date: Section - II Q6 (a) Solotion: Given data: Three Candidate received votes = 15000 10000 f 2000 Percentage of total votes of winning Candidate =? To find total tember of votes = A+B+c 5000 + 10000 + 9000 = 33,000 Winning Candidate votes: 15000

His persentage: Obtained votes, x100

Total votes vote percentage of winning Candidate.



Total groups to = \$ 17 be joined

Q6 (c)

je lution:

Given data:

Now Goys required in each seoup = 9
so 4x17 = 61 Total boys regioned

11) 30, 29, 27, ?, 20, 15 solution: In this series one subtraction is done from the next number, John first number eig 30-1=29 then 29-2 = 27 So the series will be = 30, 29, 27, 24, 20, 15 iii) 1, 7, 15, 25? 51 solution: In this series even numbers are added to the next number, even numbers are starting Jam
6 = e.s 1+6 = 7, 7+8=15

So, the serves will be = 1, 7, 15, 25, 37, 51 solution In this sewes even numbers starting from 2 onwards are added to the next number

