	eep length equal for all parts  Traw diagrams  Date:
11	/rite complete logic and steps in math portion
	Section - I
	04
	Introduction:
	solid waste management is
	a system of collection, deposition
	and dumping of the
	Solid waste management is  a system of collection, deposition  and dumping of the  waste materials produced in  Cities and other populated areas.  environmental  It is necessary for preventing pollution.
	Cities and other populated areas.  It is necessary you preventing pollution.
	It is mostly done by metropolitan corporations.
	Methods employed it solid waste management:
	waste maria sement:
	The zollowing method are employed
-	The zollowing method are employed in dealing with solid waste.
	collection of the waste:
	The Josemost step is the
	The Josemost step is the Collection of waste across the city on a methopolitan area with the help of Collection vehicles such as
	on a metropolitan area with the
	help of Collection vehicles such as

Twicks, rickshaws etc. A Skilled labour carry out these activities. by using different equipments and 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 cheeted 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 for recycling. The lest of the waste Dumping off or decomposition

of the waste. Different methods are used to treat solid waste you example, domping off in the ground, incineration, and

(3)

mixing with the soil. Animal and plant related waste or is usually mixed inorganic waste into the soil in agrice Hural kinds to increase the gestility of soil. Pre cartions: Dumping of should be desse Jan from the populated areas and pres Conclusioni anable lands because it waste st. and by pollowing the sops, will lead to hazoradous kisks for the fabour as a whole. environment Conclosion: Hence, solid waste management method of Collection to domping

of the hozaradous waste of the

solone by private companies

Ly gave of the solone of the companies departments. On by government



Date:	
Q4(6)	
44(0)	
Introduction:	
14/120409/011.	
Heart is a major organ in	
homan body. It is a moscelar	
organ Heart plays a vital lole	
in human blood circulation	
System.	
working of human heart:	
Heart is a vital organ, which plays	
a mojor role in oxygination of blood.	
Blood:	
Blood is mad up of plasma	
Blood is mad up of plasma 55 y. and 45% of blood cells.	
one Red blood cells, white blood cellse	A.
Rlood plays a major lote in painspear	Son
or vislamins, mineral and safeers excreme	
in different parts of the body.	
Function of veing, arteries and	
Function of veing, anteries and cappilaries:	
flear carries 19100 gr	
Juan the body with the help of a	



network of veins, arteries and Cappilaries. The Veins Carry deoxygenated blood from the body to except the plumenous vein and acterities carry paygenated blood from
the body to the body except plumonory artery theart and its parts: and their Junction:

Heart is made up of your chambres

i) fight auticle ii) light ventucle

iii) Left auticle iii) left ventucle

It has also come valves to 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 eight autricle Transjer blood to right ventuicle. If then transfer 6/00d to jungs through pulmunory gentery. The oxygenated then tunsfered by longs blood auticle. Lest autricle send venticle. From the oxygenated blood is transferred back The whole body. Con Clusion Thus, heart is a major unuscular Organ of the human body deoxygenated blood to longs the oxygenated blood to body

C) & (c) Introduction: Conditions of human eye in which one cannot not see things either at long distance (Myopia) on at short Myopia: On Short sightedness Myopia is the conelition

of eye in which a person is

because the clistant

objects clearly It is because the light is Inot accorately gocused the fating in human ege The Causes of Myopie are genetic Hoaever, through using concave lens
we can fix the issue of
Myopia in patients.

Hyeropia: On Jan-sightedness Hyperepia is a condition in which a man is wable to see the rearry bjects but he can see the objects at a distance.

The major plason is that the light is socused behind the rationa in the eye, thowever, by using convex lens the problem can be solved. Major parts Ratina Seclera Newe tissues



Date: . Conclusion: Myopia and Hyperopine are condition homan eye in which a patient an not see near chills in the Case Of Jan sightedoress and cannot see elistant objects in lose of myopia. Introduction. Microwave and its uses

These are types of n waveso which are used in:

For cooking purpose: Microwaves have high penetration power or high Juequency therefore, used for cooking purpose. These waves enter into the good and heat it untill it is ready you eating. Used for Communication purpose Microwaves are also used you Communication purposes. For example,
Used in satellite system you
Communication between radar and a satellite There are other uses of microwaves as well.



ii) X-Rays Uses: X-rays some electioning netic rays 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 rags 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 says: Uses in Communication: Otteaviolet rays que used for Communication perposes ger a shorter distance for instance used in to remotes etc

Date:

earth: Sun's energy Ultraviolet kays also Carry energy to the eg Carrier Uses in remote sensing: logs are Lemote Senson on an object to Here the source of Altraviolet rays. which towards the object and replect that to the source i-e remote sensor. In this remote sensing Collect data geom the replected Ultraviolet rays.

(12)

Date: \_\_ Q5 (a) Introduction: Food preservation is a method Through food preservation, the shelf life of good is increased. Methods of Jood preservation: Following methods are used in food preservation. Le juigenation: Many bacteria cease to act at a lower temperature. Therefore, good

is preezed which increases shepp

life of good. It maintains the

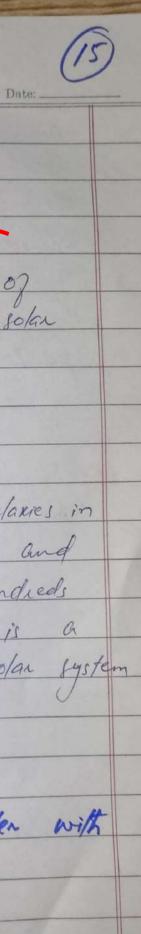
taste of good. Canning: Canning is another method of good preservation. In this method boxes. In this way the good is prevented from microceganisms which increases its shelf life. pasteurization: In this method god materials especially liquids are boiled to feill the microorganisms. e.g many bacteria are killed at 100 E. So, pasteurination helps to keep good preserved you longer duration. Dehydration: In this method good, usually meat
like products are ghird under the

sunlight. Dried good is gree from moisture there jour microbes que unable to perpagate themselves and good is precised you longer themselves Packaging Packaging of food is also a method packed in boxes etc which protect them Jeon damage dowing transportation and a so project them Jeon microbial activity Application of chemicals: Adolitives

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

Date: \_ Day: are added into the josef to increase its shelf life and protect it from microorgan Trans journation of journs: so processed to lize For tomato is transferred
tomato ketchup, zwits into

The zood in on 2000 in off leason. a method to Food peocessing increase shelf life of Josef by
preventing it from physical and
microbial activit damage through Canning, pasteurization, regrigeration et



Q5 (6) Introduction: 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 Darkmatten with glaxies: 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

(16)

Day:\_ Date: However, with Conclusion: Gralaxy is a consmological object

(F)

	Date:
	Q5 (e)
	Introduction:
1	al a dispersion and there
-	Solar and lunar eclipses are
	phenomenos My our solar system.  It is the darkness of one tody due
1	to the other
	Difference between solar and
	Lunga eclipse:
	Here are the following differences
	b/or solar and Jonas eclipses.
	Solan eclipse:
	When moon comes in between
	on part and the son it is called
	Solar eclipse. The moon half the light
	Solar eclipse. The moon balt the light  Of Son reaching to earth which causes dalloness  on earth  Bodies involved:
	Bodies involved:
	Sun moon and earth. Here somoon
	comes in between son and marth.

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. Types: solar eclipse has jollowing types a- Total solar eclipse when moon com directly in between Bath and son baceing complete you 0) for/ight Partial / solar eclipse partially between when moons copie earth, leaving some sonlight regth earth. eclipse: moon. The eclipse which earth losses in between and mon leaving moon sun in darkness

Day:

.....

Day	L/Ago,	
	Types of Lunar eclipse:	
	Types of Lunar eclipse:  Lunar eclipse occues in Jollowing	
	types	AND
a-	0. 1. 1	
	When earth closs not some directly	
	between son and mon, leaving some	
	light to reach the moon.	
6-	Total lunar eclipse:	
	when earth comes directly between	
	Son and moon , leasing moon	
	in a Juli clarkness.	
	Conclusion:	
	solar and lonar exlipses are	
	darkness of one body due to	
	the interprence of another body	,
	Here sunlight is either halted	
	Here from to reach	
	by moon on carry	
	Them respectively	

Q5 (d) Nuclear Fission: Nuclear Jission is a reaction smaller nuclei to release energy When nuclei breaks it speases energy. For example atom bombs

are made vsing this phenomenon,

where a small bomb after dropping

split into smaller nuclei and Radease energy which damages everything Nuclear Jusion: Nuclear Jusion, on the other hand, is joining of smaller nuclei into bigger one, journing a large nuclei with high every. For example, Itals and sen produce energy through Jusion reaction

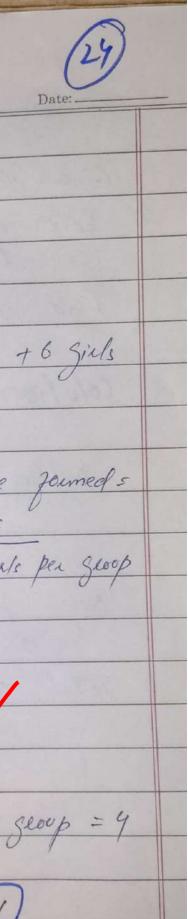
(21)

Ionic bond in table salt: Jonic bond is the complete space of effections Jean one atom on it In Nacl the chiquine atom shares et elections, completely present in the sodium Na. In this way due to extra elections Nat has positive charge and Chlorine has negative charge Conclusion: Nuclear Jusion and Jission are processes of energy production. In journer smaller or nuclei get together to Journ a larger one and in latter larger nuclei split into smaller.

Date:

Cection - II Q6 (a) Solotion: Given data: Three Candidate received votes = 15000 10000 f 9000 Percentage of total votes of winning Candidate =? To find total number of votes = A+B+c = 33,000 Winning Candidates
His percentage obtained votes x100 45.47. vote percentage of winning Candidate.

Date: \_ Q6 (6) Given data: Ratios of anyle of turangle = 3:4:5 Find each angle = ? Solution: Adding the total ratio = 3+4+5 Now Jinding Total deglee a Juangle angle Angle C=



Q6 (c) solution: Given data: Each group consists = 4 boys +6 girls Total girls available = 102 First find the geoups to be joined = = Total girls
= Regioned girls per groop Total groups to 5 17 be joined each sloop = 4 Now Boys required in Trotal boys regiones

11) 30, 29, 27, ?, 20, 15 solution: In this series one subtraction is done from the next number, Johan 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 from

6 = e.s. 1+6 = 7, 7+8=15

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

