	Date: Day:	
	Name: Abeera Asin	
	Batch: 060 - Rwp - Online	
_	ROM No: 1809	
(B) (C)	Subject: GSA	
	Date: 19.12.2024	
19.2	(SECTION-I)	
23.(1)	What is a mire less communication? Breefly	
	explain the working of a patellite?	
Aus. • 1-	WIRELESS COMMUNICATION	
	Wireless communication is the method	
	of transfering data and receiving	
	date nithout the compulsion of	
	pring any mixes or rables.	
•	METHOD !	Fried Control
	The enchange in date and the	
	back and forth communication	
	is done via the transfer of radio	
A. Francisco	rights. These jignals are	
	pent with the help of the	
	satellites present in the outer	
	ppace.	ay 6 - 1

\mathcal{L}	ate: Day:	20 Mars (1988) 20 Mar
	DIAGRAM:	
	Signals being sent	
	phone back and forth laptop	
•	EXAMPLES :.	
	A la part	
	Jone of the enamples of how wireless communication is used	
	in .	
\ -	Global Positioning System (GPS)	
2-	Internet	
у-	Bluetvolta	2
5-	Satellites.	
2-	SATEULITES:	
	A satellite is an object that	
	revolves award a bigger	
	object. It is used in the	
	gending and recieving of signals from - and - to Earth.	
12 (12 (28) News at	rignels from - and - to Earth.	Language

$\mathcal D$	Day:	
. P	RESENT	
	It is a relestial body that	7
	the Earth of prisit	
	TYPES OF SATELLITES:	
<u> </u>	mainly, satellites are of two types:	
	Axtificial (Natural)	
	4	
1	here are the These are the	
	nan-made patellites patellites that are Journal naturally.	
	in pace	
	a sent in space Formed naturally	
	ia spack pockets in the Universe	
E	nample: GLODASS. Example: The Moon	
	ia space sockets in the Universe	

$\mathcal L$	Pate:	100 Carlo 1800
	DIAGRAM:	
	(a) X	
		7
	Earth !	
	an artificial patellite -	
	orbiting around the Earth	
	(6)	
	Moon	
	(\circ)	
	tauth)
	Cauca J	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	as natural patellite orbiting Earth.	
		Again Programme Company
Q3(b)	Discuss environmental pollution, its hamful	
	effects and measures to curb it?	The state of the s
Am:	ENVIRONMENTAL POLUTION:	
	Any form of waste a dust a noise	
	or mulish that poses a hazard	
	to the renvivorment is called as	
	environmental pollution.	

e <u>mente a</u>	Date:
	TYPES;
	(Pollution)
<u> </u>	Air Water land Noise
<u>a.</u>	Air Pollution:
	The first type is an pollution, which is
	the release of tonic substances and
	haimful gases into the sair. It
	is mainly due to burning of fuel,
	conbustion, fixes, industrialization,
	at hamful
b	Water Pollution: James from industries
	The release of tenine and other
	waste material into the water
	bodies. Other than that, any
	hamful acider justances mined
	with water, that makes it hazardous
	to consume, is called water pollulion.
<u> </u>	Land Pollution:
	The disposing of rulish, waster
	materials, little or any port
	trash a road sides and fand
	itself, is called land

(L	Oate:
	Moise Pollution: Proise Land Pollution
d •	Noise Pollution: I noise land Pollution
	Lastly, the presente of land noises
	and emptions, primarily due to
	construction cars, undustrialization,
	eti in called naise pollution
•	EFFECTS OF POLLUTION
a)	Air pollution: Causes Smog, Dust,
	Dirty air, broathing problems,
	Asthma, byrning of eyes, effects
	the vinisitily, etc.
6	Water Pollution: Contaminates drinking
	water, effects the water usage for
	adinities in daily life (cooking,
	washing, bathing), hard water,
	effects the life of the rea.
	animals and can potentially kill
	them. Can cause diseases like
	hepatilis, cholera and typhoid.
c)	land Pollution: Makes the environment
- /	dirty, garbage is not rewrited,
	can lead to the spreading of

	Day:	
d)	Moise Pollution: Creates nusiance	
	disrupts the peace and sevenity, encessive exposure to high-volume	
	points can effect one's hearing ability.	
•	MEASURES TO CURB IT:	
	Recycle waste	
2.	Avoid industries near city areas, but	
3.	make use of reservable energy	
4.	use puramable methods of production	
.	Avoid meating chairs.	
4.	nake que to keep a chech on	
8.	Do not pollute and throw rushish	
	petride of trash can.	
		4.2

\mathcal{I}	Day:	
(2)	Explain and draw the structure and	
Ans	Junction A a Sun? THE SUN:	
10	It is a giant star and the largest object in the Adar	
2-0	Aysten. It is a man of hot gases. The average life span is up to	
3.	The age of the Aun is 4.5 hillion years.	
у.	The sun is pursonded by 8 planets:	
	Venus	
	Mars .	
	Tupiter	
	Saturn	
_	Neptune	
•	Terrestrial rocky planets: Mercury, Venus, Earth, mars.	
	I cy plants: Jupiter, Saturn, Vranus, Neptune:	4

	Date:	
	Gassous Planets:	12
	Uranus, Negtune	
•	HOW DOES THE SUN PRODUCE HEAT:	
	It is produced by the fusion of	
	no ligarogen atoms ti produce	
	peteiem. The process is an	
	enothermic reaction and heat is	
	released in the John of election-	
	-magnetine wanes.	5
A management of the	PUREDANILL	
	H+H reactions He	
	hydrogen atoms to yormed	
_	Heat is	× onto
	warel.	
	STRUCTURE OF SUN:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ar a
	Radioactive	
	Core	
	outer core	
	Convection zone	
_	Corona	
	The Sun	
The second of the second of the	。	NAME OF THE OWNER, THE PARTY OF

Louison	Date:	
a.	Core:	
Ž6	The Core is central paut of the	78%
	Sun. It is the frottest part of	
	the sun. It is stem referred	
	to as the engine soom of the	
	ster stey.	
	The temperature in the core can	
	go upte 5500°C. 4/T.	
_ b.	Outer Core:	
	The puter core is the second	
	layer after the Cox. It surrends	
	the core. The enothermic reaction	
200	takes place in the core and	
	the heat travels through the	
	priter we and into the radio-	
	convedire none.	
<u> </u>	Convection zone:	
	Heat coming from the work	
	and the inner we passes	
	though the connection zone.	(
	The heated particles pass	<u> </u>
	though the zone but many	
	A other one left behind	
	and they remain trapped	

	Date:	4
d	there for millions of years. Corona: It is the outermost layer of the Ann. Heat is pleased from it in the form of solar winds. It takes 0.8 sec for heat from the Ann to reach Earth. Corona is also responsible for the phenomena of the Northern and southern lights.	
Q3(a)	What is a teunami? How is it. generated? Give enauples of recent teunamis?	
<u>A</u>	A series of waves in a water	
No.	page displacements of water, is called a turanic.	
•	Volcanic eruptions.	
A STATE OF THE STA	Movement of the Earth's techtoric	

$\mathcal I$	Day:	
	plates.	
•	landsliding.	· /
•	Glaviel meting.	
•	EFFECTS:	
· · · · · · · · · · · · · · · · · · ·	loss of animals and laman	
	rije.	
	Effect on marine life and the	
	animals residing in the water	
	bodies	
	Economic Loss.	
9	Infrastructural bass.	
•	Destruction.	
•	luins the crops and negetation.	
	I IMANUST	
	MEASURES AGMINST IT:	
	To book but for any early.	
	warning signi.	-
7-4	Evacuate the wear near	
	water:	a de la companya de l
9	Go unto a shelter or safe	-015m
	place.	
7 P.	Install Hoodgates	

	Date:
•	Go to an nea at a higher attitude.
	DIAGRAM:
	natur level - The
	techtonic plates caused ausplacement
	EXAMPLES: myst weent trunami reported was
	in Japan, in the year 2022.
Qu.la	Explain Festilizers? What are utien
	types?
Avs.	FERTILIZERS:
	Any material, present naturally
	for produced artificially, to
	justainability of a planets or
	crop is called as a
L	Jertilizer.

Dat	e:	
•	COMPONENTS:	
	Epsentially, a Jertilizer is made	
	up of 16 important imponents.	
	Three important components: Three of the more important	
. –	Nitugen (N)	
<u></u>	Phosphorus (P)	
3-	Potamiem (K) CLASIFICATION OF THE	
	FERTILIZERS:	
	Epsentially, fertilizers are classified	
	unto two major categories. On the	<u> </u>
	on the basis of their authentic	ety.
4.	Classification -I	J
	Organic Irangami	
	This is when this is when	
	are naturally in assimilidated	
	present in a plant is in the soil.	

	Date:Dag	y:
	t.9 E.9	
	Nitrate CaCO3.	
2,50	HTOUT HAMON	1
	Classification - II	
4 - 3 10 15		
	Complete Incomplete	
	Contains all the Contains gether on	e
	three essential por two of the ma	in
	component; K, P, N. thee components	V
	E.g	
•	Zovawai and NP	
	Zankhaiz my Engro · NK	
	Fertilizers. KR	
4	USES0:	
	Boosts plant growth.	
	Protects at from raining	
	Provides minerals to the soil.	
	DIAGRAM!	
	say i'.	

Dat	e:	
Q 4(b)	what is the anatomy of a human tooth?	
Anu.	HUMAN TOOTH:	
- 10 C		
	A human tooth is a part of the mouth cavity.	
	FUNCTIONS:	
	Helps in the breakdoin of food.	
	Prepares the food for digestion	
	makes the food swallow-able.	
	DIAGRAM:	
-9-200 to 10	Crown	
	to penamel.	
beeth	e of layer	
he g	um [] gum	
	part of the	e
XX	tooth oin	مانطه
	the gum)
	arteries - M Proot canal	
	TOOTH	

	Day:	Julius .
	Crown -> Uppermost area of the	
	Enemel -> Protectine covering around	
	the tooth.	
•	Arteries -> Giving the blood supply	
•	loot ganal -> the base of the	
	toth	
4-1154		
Qu(c)	What is hepatitis? Causes, Tympton,	,
	treatment?	
Aus.	HERA TITIS :	
	It is a disease of the digestine	
Transition to	system that is caused manily	
	by contaming contaminated	
	ford water, or by sharing	
	instruments without sterilization.	
	It can also adversely effect The	
ak i j	blood platelets in the body.	
•	TYPES:	
	The same of the sa	
	Hepatitis A.	
	Hepatitis B.	(-)

Da	te:	
	Hepalitis C	A 10 T 2 10
	plepatitis D	
•	Hepatitis E.	4 - 4 -
	The difference fier on the	
	haris of getting sick ise by	
=	Engaging in sexual behaviour	
	with multiple partners	
	Using / sharing instruments	
	Consuming contaminated severages	en je se se se se
	pr food	1
	SYMPTOMS:	
Mary 1	Yellow shin color	
	Blood in Unine	
	Black stool	
5 231	No apetite	
	Forty asher	
	Body aches	
• - 4	TREATMENT:	
	Medication / like antibiotics	
1	Avoid ung someme elses personel	
	belongings specially in public	
	Refrain from consuming dirty	

$\mathcal I$	Day:	den er treditioner
	Tood or benerages Not engage in enessine senial. pehavior.	
	(SECTION - II)	
(a) Qno7.	Distinguish between 1.0 % F.Q?	ED
•	Dustient of an individual It refers to the personal intellige	ue
•	or capacity q an individual. It is determined by a person ability to solve publish	
	and make use of his cognitive abilities.	
	person, the more in his feld of understanding,	
	problem solving.	

	Date:	
	E.Q:	
	It means the Emilional	
	Ourtient of a person	
	Refers to an individual's	
50	ability to make use of his	
	entional intelligence	
	Octermines from people balance	
	their emotions and day to	
	day life, without mixing	
	them both besther.	
	It is the game of the heart	
Hay Indian	ve stre brain.	
(b)	Peter can mown the lawn	
Mu	Solution.	
	Time taken by Peter to move the lawn = 40m	
	Time taken by John = 60 m	
-	Time caren in	
	Talume and as	
	60 + 10 = 100	
	⇒ 100 = 50	
	2	
_		

\mathcal{D}	ate:	= =
	It will take other 50 mins to morm ette lawn together.	
Q nab	Identify the missing:	
· (a)	13, 24, 46, 90, 178,	
	13-24 = 11 24-46 = 22 46-90 = 44	
	90 - 178 = 88 88 x 2 = 176	
	13, 24, 46, 90, 178, 354	
Qno (A man ordered Polition: Ratio of program.	
	small medien large 2 : 3 : 4 4 stices : 6 stices : 8 : sices	

Date:	Да у :
40 gram = size	1) one pline
· Total polices in un	ule pinza = 8
40 x 8	3 2 0
Total weight of	The pizza
من <u>3</u> من	[14] [14] [14] [14] [14] [14] [14] [14]
o Price of 4 xli	ces = 320 Rs.
11 11 8 u	- 320x2
	= 640 M.
Price of whole p	rèze in 640 Rs.
Explain complex conce	epts in
- simple terms.	
Use real-life examples	to illustrate
principles.	
Include diagrams and	riowcnarts
to illustrate processes. Discuss practical appli	cations of
scientific concepts.	Cations of
Show all steps and wo	rking for
— calculations.	Titling Tot
Use diagrams and gra	phs to
illustrate concepts.	200 mg - 1 200 20 mg - 1 200 2
Understand the quest	ion
carefully So	canned with CamScanner