GSA MOCK

Dat	e:		_
≂ Very good		SECTION - I	
Perfect an			
Enough he		Question #3 (a)	
Enough le		Global warming is a braist	
Fine diagra	ams	tioned we all are poking at	
Good for n	nath po r	it in which winting	
		it with sticks, justify.	
	DEFI	NITION:	
-	Section 1997 and 1997	Global warming is the godwal	
-		incrase in the temperatur of	
-		Easth due to absorption of	
-		solar radiation.	
	PHEN	IOMENON:	
		Global warning pappins due	
	to the	e absorption of that by the	
_		present in atmospher like	
		, CFCs, water upours, etc.	
		HOUSE EFFECT:	
	The o	distribution of envoy on Earth is:	
		00	
-		30% reflected book on	
		solal	
	-	Modiations	
	Atmo		
		30%	
8	arth ex		
	mar 1	ATMOSPHERE	
		/ EARTH	
	74		
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Date:_ Out of the total energy that comes from Sun: ■ 30% is reflected box. • 30% alborred by atmosphere. Hono, due to GHE, the temperature incrapes. CAUSES OF GLOBAL WARMING: (1) Natural increase due to solar rays (2) The man-mode vehicles emitting nample vaciations. (3) Jactories emitting extrust into The atmosphia. 14) Burning of possil puls. CURRENT STATUS: According to the IPCC report of March 2023, the Earth & temprature has reached 1.0°C afove priindustrial lives. While, at the current rate of emission, the world will rock climate throughold. At 15°C, this will be permanent damage to the dimate that will be incressible. Hence, the man-mode interestions as overwhilming the climate.

Date: Clustion 3(b) What is the origin of universe? How OF UNIVERSE: ORIGIN The most accepted theory universe's origin is Big Bang. Accusaling to this, the universe more into bring with a lig explosion. DARK AGES SINGULARITY celestial bodies accelerated carre into bring expansion (a) SINGULARTY: energy vate incompretionsible universe

Фа	te:	
	(b) BIG BANG:	
	The enthosion of singularity led to	
	a cosmic inflation as universe with	
	from smills than atom to high than a	
	galary.	-
	(C) AFTERMATH OF EXPASION:	
	As universe infranced, it started	
	rooling and gare rise to mather and anti-mather. After the dark ages when	
	anti-math cancelled math, the leftous	
	moth gove rise to alestial bodies like	
	galoriis.	
	AGE OF UNIVERSE:	
	Astronomo bara calculated the	
	age of universe to be 13.7 mm billion	
	gioro. This are two methods to	
	calculate the age:	
	a) HUBBLE & FORMULA	
	This famula states that the nate	
	of enfonction of universe stays constant.	
	V = Hd	
	H = V	
	By relacitating back,	
_	it can find the Time till	
	the Big Bang:	
	1 = <u>T</u>	
		l

Date:_	Day:	
	(b) ANCESTRAL STARS:	
	The age of the oldest state can also	
	be used to find the age of universe.	
	The age of star deponds on its man	
	star more of	
	The oldest star Methubola's age is	
	found in this way to be 13.7	
	William yeso.	
	Gustien # 3 (c)	
	Short note on semi-	
	(onoucous	
	DEFINITION:	
	"Serri-concluctors or tru	
	matrials that have conduction	
	erturan conductors and	
	Examples.	
	I've elements like Silicon	-
	(Si) and Germanium (Ge) at as	
	semi- conductoro.	
	PHENOMENON:	
	now fair valence dections in its	
	now fair valing dictions its	
	outlement shell.	
	Sip	

Day:_ Date:_ When it is connected with electricity, the valence elections become for elections and born brind a hole which acts as a positive charge. (-) >(-) These position and negative charges created by the hole and election respectively, nell in the electricity conduction. APPLICATION: Simi-conductors on the most basic building by des of the electronics are used in: (1) calculators (2) volas panelo (3) smart phones, computes, captops (4) Temperatur sensors. Hence, the unique properties semi- conductors make the smooth runing of technology possible.

Date:. Day: Question 3 (d) What is eclipse? What are solar and luna eclipse? ECUPSE: celestial body two other clusted dricts and block the flaw of light." include solar and SOLAR ECLIPSE: - Umlia SUN L penumba " Solar eclipse pappins when moon comes between Sun and moon covers the sun regions on Earth, Dun's Mays do not (a) Umbia: The orgion when total

Day: Date: solar iclipse occurs at moon cours the sun. (b) Penumbra: The orgion when partial solar ocuso as moon does not own the sun completely. LUNAR ECLIPSE: SUN Penumbra & Lunas eclipse occurs when Earth comes between sun and Moon and blog The moon bromes wes-shadand by the Earth and Two regions formed: (a) Umbra: totally shadowd boding to Total Pen-umbra:

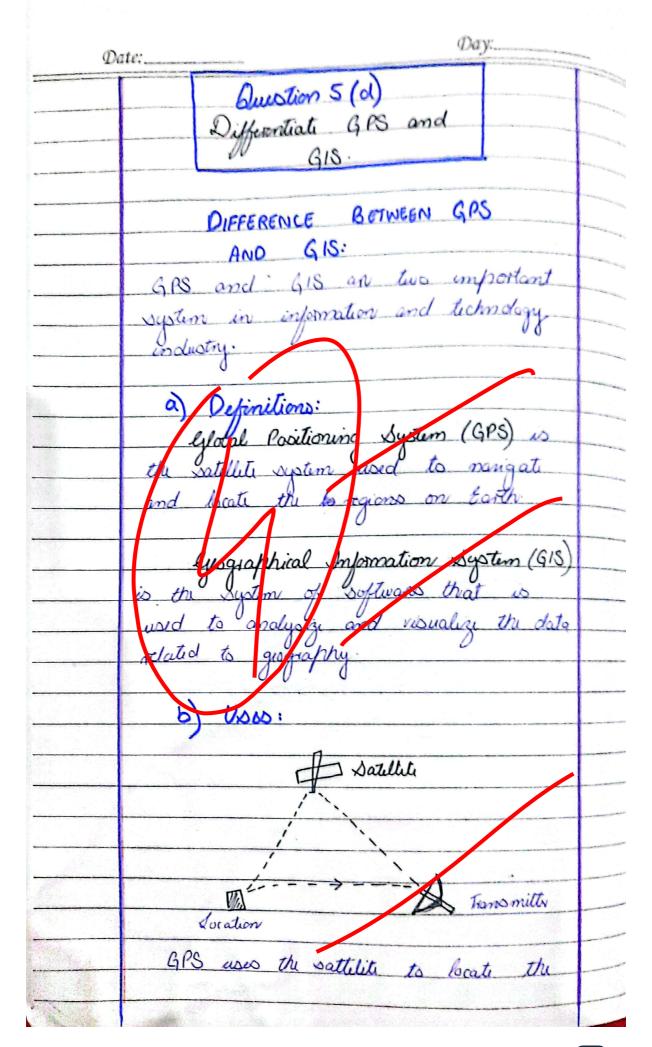
Block diagram of input and output durices of computer. Date BLOCK DIAGRAM: STORAGE DEVICES OUTPUT INPUT PEVICES DEVICES PROCESSING UNIT INPUT DIVICES: direct which are und aw data into called in set des as. kuyloaid, These intecte mouse, OUTPUT DEVICES The arthur devices for used to display or present the processed data These include monitor, spraker,

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Day:__ Date:_ principle of Total internal refrection. Fron Clockling Iransmitted. (LEO) NPUT OUTPUT =7 light lay Question # 5 (c) Methodo of Solid Waste SOLID WASTE MANAGEMENT: " Solid Waste Majagement is

Date: Day:__ The SWM cycle includes SORTING SOURCE STORING DISPOSAL REUSE LANDFILL RECOVERY SITES SOLID WASTE MANAGEMENT ETHOOS OF BWO: several methods REUSE: suigarmentally wast wasted include: (1) both caps (3) plastic and gloss utrosils (b) RECOVERY The signed method is to recover



Date:		•
	object on Earth and Monomiths acts as the communicating and interpreting dence. This is used for: (1) Locate: to locate specific location guess. (2) Nowigate: during Transling and transportation, it can used to novigate the address.	
	BUILDINGS> Antiquated TRANS PORT LANDSCAPE	
	GIS softwars rollect all the information related to the geography of a specific beation and arates on integrated maps. (c) Application: GPS is used in longle maps, MINANTAR nangation and other planners. GIS is used by usean planners. engineers, and other government agmains to make use of available data.	

Дау:____ SECTION-IL Date:_ Question # 6 (a) Total ana of pence = A = 300 ft
det: DATA: FIND: The length of pieces = SOLUTION: piece is fact times 300 300 y = 60 ft Question # 6 (b) DATA: length = 1 X = 3

Day:_ Date: SOLUTION: X = 2y + 32 (x+ Y Permet 20 714 14 = 6V 362.3 2.33 = 1000 $=7 \times = 2(2.33) + 3$ X = 7.33 Length = X = 7.33 in 2.33 in Question 6 (C) DATA: total no. of motorio = won matches 24 los matches FINO: matches = X = ? Total SOLUTION: 24 (n) X 6x + 240 +240 10% 240

Day.___ Date:__ Question # 6 (d) DATA Lit the two fung SOLUTION: 1+2 = 8y + 28Question # 7 (a) DATA: Total state = 400 atlendance 1. age = ? SOLUTION: Allendanage = Occupied ×100

