	Aspect	Cops	Ois Day:
	Purpose	cops is primary	api is used
	200	used you retermin	i for mornaging, and
	The same of the sa	accurate position	doda to understo
	CALL AS AS	& natigation in	patterns, relation
	Total Inc.	real-time.	to make decision
		a standard of the	The state of the s
	11776	Charle garage	
i	<u> </u>	Natural & Artif	icial Salkellik
	Aspect		Artificial
	1000	Sadelite	Satellite
5	Dezinitions	A celestical	1
	THE STATE OF THE		object intentiona
	Mary		pared into abil
		a another celsta	al around a celesti
		body acturally	body,
		occurring in space	
			1 (0)
	Examples	moon (orbiting	International space
		around faith	Station (155)
		phobos &	Hubble space
		Deimos (ayund	Telescope (HTS)
		mans	CAPS Satelliter.
	contral.	1 64	controlled by grations.
_		Governed by	bores parations.

	(b) Optical fibers.	
り	Deginition:	
	Optical gibers are thin,	
	clexible Strands of transparent material,	etroma
	typically made of glass or plastic.	
	that are use to transmit light	ppar c
	Signal over a long distances.	Cause
		pront
2)	Struct ure:	
	An Optical giber consuts	
	or a fore, which is the contral	otection
	region 14 wugh which light travels,	gibers
	summed of by a cladding loyer	Secur
	with a lower regractive index to	smiss
	jacilitale light confinement, Surround ed	
	by a chaddy layer along with	
	and along it to pically	an hala
	on outemost layor is typically	phone
	a protective coaling.	L
	Orac of Anti-of Orac	
	Diagram of Optical Jiber	lication
	right	
	ray > MM	
	Tolling	
	cladding coating	1010
	Core Cladding Coaling	rble
	Core	
	3) Bandwidth & Speed:	
	Optical Jibers offer a high	
	bandwidth and send data at entremy	
- 11	Ligh speed.	

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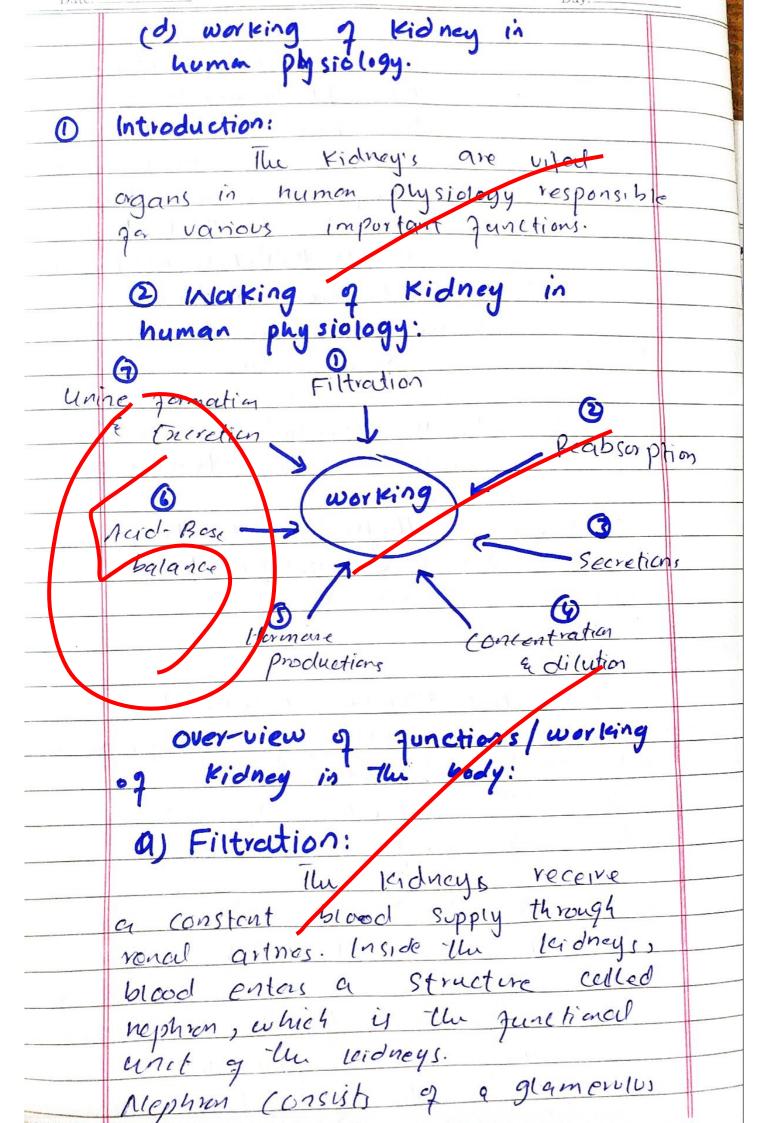
-

	Immunity to electromagnetic intergerence
	untive copper colles, optical
	glocis our immune to electromagnetic
	inforgerence ([M) could by nearby
	electrical equipment, radio
	or othe sources.
	Security & protection.
	Option Dibers proude 9
	Optical Jibers proude a light level of security & protection
,	gar doda transmission.
	Applications:
0	1 Telecommunications
U.	noer water > [Telephone systems)
X.	2
5 Sens	ing & Internet
menit	1 my andications
	Ofiber-to-the-none
G Helo	in Medical
- Hed	imaging
	@ Cable Eclevision
	The second for the second seco

	tamins -		
pis	tinguish water	& fat Solyble	
vitamine	A Art Carrier		
	inter the layer		
Aspect	water	Fat	
9 11	Soluble	soluble	
Solubility	Dissolve in	Dissolve in	
	water	ject	
Absorption	Absorbed direct	y lequire dietary	
	into blackstream		
	from Un orges	t'è .	
	tract		
			Ī
Storage	Not Stored in	can be stored	
The state of	large amounts	in joilty tissues	
	in The body	& the liver.	
	6 (76) R 2 2 2 2 2		1
Excretion	Excreted through	Elininated	
	Unive	more slowly.	
Functions	Frergy metabolis	m, Vision, Calcium	
	enzyme functioning	asservion, anti-	
	cell growth.	onidant activity	
	7	bread clothing	
Examples	Vitamin- 2, Bl	vitamin:	
	,B2,B3, B6,B12	A, D, E, K	
		11103 03 1-	21

ny:	Date	e:	
	0	Vilamins	Day:
	10	Vitamin A	Brief account (Fat Solubly)
yble			It is important for usion. Immune functions, and cell growth.
			Source: It is found in animal products, liver,
y I W		11-11-1	dainy, & eggs as well as in Imit.
x 1 1		vitamin D	. It helps in collin absorption
uble		a first the tra	and bone health. In Best source
in			Source: is Sin-light & Ricket may earled v-Dalson
		vitamin E	It junctions as antionidant.
			Protecting coll from damages.
dictary			Souver: Seeds & leany greens.
sorption			
·		vitamin K	
			Clotting & bone health.
y 3 3 1			Source.
Stereol	1		It is journal in leagy
tissue		and the state of t	groens « vegetables etc.
liver.			Order over the worder tabula
	2	Vitamins	Brief account (weder-soluble
ded		19/10/19/2	a second Acid
louly.	1	Vitamin C	It is known as ascessic Acid.
			It is crucial for collagensynthesis
alcium			immu quetien étc.
on, outi-			Source: Fruits & regelables such
activity			as oranges, strawbernies etc.
clothing		1. 11. 1 1. 1	A CHARLES AND
:		A Some of	02 05 87 89
ر الا		- Complex	It includes, B1 82, B3, B5, B7, B9
		Compies	It includes, BIBLS is included & B12, having different names &
		N	a B12, having different red production compositions. They holp in energy productions a blood cell for
		1 57 5	metabolism, none junctions, & blood cell for
			Source: whole grains, logumes, neds
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Source: whole grains, logues sources

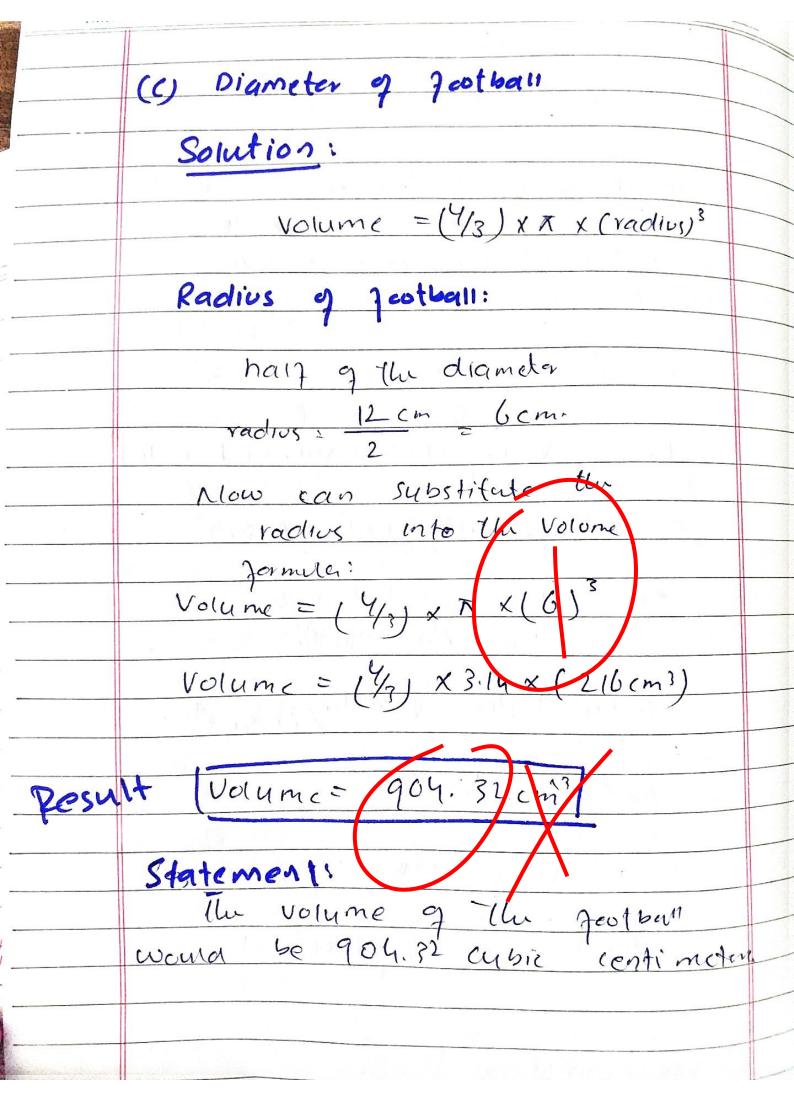
	0 No: 2			
		inguishing RAM	E ROM)	
a se Nove se Selection	Aspect	RAM	ROM	
	Stands for	Random Access	Read only	
2114) () () () () () () () () () () () () ()	Memory	memory	
	Volatility	Voladile: Most 9	Mon-volatile: It is sagar than	
		is lost when power	RAM. Dala remains	
. 1	N CONTRACTOR	is removed.	protected when power is removed.	
	Data- Petention	Temporary Storage Jor active data	Permanent Storage	
		and instructions	you pre-recorded instructions or date.	
			ans treeting or out	
	~(Dist	inguish Network	e & Internet) -	
		Internet	Metwork	
14.21	Deginition	Global network	Collection of	
N. C.) (100)	networks.	enter connected dences.	
1 1 1 1		y y	Connects devices	
1	connectivity	connects millions	within a specific	
		and users globaly websites, servers	I a car la rea location	Lough
	Examples	& devices	connects Computors &	a circ



and a Jubular System. Function of glomerulus: It acts as a giller allowing small molecules such as worder, electrolytis wester products, and some nulners to pass through while relearing larger necellos lille protein and blood cells. by Reabsorption: After Jilteration, the giltered Juid lenour as the pittrate passes through the Jubula syctem of the nephron. Mong the tabules, essential substances live worder, glucose, amino acids, and electrolytes one reabsorbed back into blood-stream () Secretion: In addition (reabsorption, the tubular system also pacilitates the Secretion of Corlain substances (d) Concentration & Dilution: Midney: play a creat role

on mais taing plaid & electrolyte balana
in the Godf. they regulate The Concentration of solutes and the volume of water en the filtrate, which deformines Un concentration or dilution of wine produces.

Day:	
Section B	
Solution:	
Solution:	
Formula:	
Me con use the jornals ja	
calculating the depreciation of an asset	
over time and that is	no. q y
	-
Present value = Initial value x (1-Depregation	(kate
	1 3
Present Value = Initial value x (1-0.10	J.
PS 8748 = Initial value x (0-90)13	
K28148 = (ninax value x (0.40)	
· To solve for initial value,	
rearrange the equation	
rearraige un equalité	
Initial Value - R58748/(0.90)13	
(0.90)	
Calculation the provession:	
(allacator and propression	
202743/ 200	
Initial value = 208743/ 0.729	
0.12.465.61	
Initial value = RS [2095.5]	4 M
solved: Initial value = RS 12005.51	



(d) Perimeter of the pentagon building:

Solutions:

A regular pentagon has an Sides equal.

Crives that each side of the building is 281m.

formula:

Perimeter 7 = length of x Number the building one Side of Side,

= 281 m x 5 = 1405m

Therefore, the perimeter of the building is Chosm.

O NO: 7 (9) largest number: Solution Let is assume the first number The Sequence w "x". 20- consective number equaction: (n+(n+1)+(n+2)+(n+3)+(n+4)+(n+5)+ (X+6) /2 = 20 Simply 7, equation 20 both sides by 7: multiplying = 140 140-21 72 n = 17 First number in the sequela 15 217 For getting the lager add 6 largest numbe = 17+6 = 23 a of humber