Day:	hursday 1990 Date: 19-Dec	-2024
	MocK-6 C35-2025	
	Subject: "General Science And Ability	•
	PARI -II	
	Section-II	
	Question No:6	
Pa	t (a)	
	Girci	
	Sum of the lot and unit digitally	
	Sum of 3-digit number = B Sum of the loth and unit digit=12 Difference of the unit digit from loth digit = 2	
	To Find:	
	what is the three digit number?	
	Solution:- Let the three digit number be	
	100th 10th unit	
	where $x + y + z = 15 \rightarrow 0$ $y + z = 12 \rightarrow 0$	
	and $y+z=12 \rightarrow 0$ or $y=2+z \rightarrow 0$	

Day:	Date:
Patting eq (ii) in	() 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
X + 10= 15	
X = 15 - 12	
X = 3	→ (v) :
Days of the second	0 0
Putting the value of from equations	X 4 Y
ea (1)	(v) and (iv) in
eq w	
3+2+7+2	, ,(
5 + 27 = 15	
27=15	
2 = 10	
	The state of the s
X= 10	Asil 29
Z := 5°	→ (vi)
Also from eq	
y= 2+2 = 2+5	
= ×+5	
y=1	(NI)
entle som beginning to	t (2) (3) (3)
the three digit	rumber is
Y V Z	number 13
2 7	
3	
Ser Landing Special Sp	

	Date:	3177
	Part (b)	
	Given 1-	
	A man oiclered pizzas of small, medium	
	end large sines for = 18 Derins	
	No of succes each person got = 1	
	Each size contains different numbers	
	of slikes and the ratio is= 2:3:4	
	Weight of each slice = 40 gm	
	Price of Smaller pi22a = Rs 320	
	THE OF SHIPLEY PIXAU 2KS 900	
	To Find:	
		Array 17
	Price of a total fizza =?	
	weight of a total Pi22a=2	
	John :-	
	N M persone is equal to	Links to the
	Number of persons is equal to number of pizza stices.	
	Let no of slices = x	
	Then	
· ·	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
	2x + 3x + 4x = 18	v. razioni
3,5		

Day:	Date:
28.31	No of persons = 18
	and No of slices per person=1
	9x. = 18
	X = 2
	No slices for each size of pizza
	Small p22a=4 slices
	medium pizza = 6 slikes
	arge pizza = 8 slices
	Total weight = total slices x wt of each
	Slice
	= 10 × 40
	[Total weight 720 gm]
1007	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Your	Price of Small pi22a=Rs. 3 20.
	4 slices = Rs. 320
	1 Slice = 10. 88
	18 slices = Rs. 80 x 18
	=Rs.1440
	Idal price of all pizzas = Rs. 1440
	Total weight of pizzas = Tao gr.
gv 198 1.4	

Day:	Date:
	Date.
	0
	Part (c)
••	Given
4 7 . S. Staff	
	Diameter of a circle = 6 cm Hence, reains = d = 3cm
	Hence, reains = d = 3cm
And the same of th	7. 5. 1
	In find:
	Area of circle of Lircle A= 2x2.
4	A. A.
	Solution: - Circumference = $2\pi r = 2 \times 3.14 \times 3 = 18.8 \text{ cm}$ Area = $2\pi r^2 = 3.14 \times (3)^2 = 28.3 \text{ cm}^2$
	Area - 22 = 3.14 × (3)= 28.3 cm²
	Part (d)
	[[존경기가 살아가는 사람들이 살아보다 하는 것이다. 100 Head (1994) [[전기 기가
	Find the missing no:- 24-13:11 46-24:22 46:40 354 1- 13, 24, 46, 90, 178, 354
	24-13=11 46-24=27-46= 176 354
- N	1- 13, 24, 46, 40, 178, 559
W. Mr.	
	18r- 5,6, 9, 14, 21, 30
	Question No:7
Alex	Character = = =
	Part (a)
- 100	Part (a) Difference between
	TR I-D
7_	Stands for intelligence i- stands for Emotional Quotient Quotient.
	Austient. Quotient.

Day:		Date:	
Married and the control of the contr	T.Q	€.8	
(i)	THE RESIDENCE OF THE PROPERTY		
1	with numerical and	Smarter with	
	verbal datu	keelings	$\mathcal{J}_{\overline{i}}$. Since
- 10	measure Cognitive	iii) measures abilit	yto
	abilities and	ecognize, understa	nd
	Optentia	and manage emoti	A STATE OF THE PARTY AND ADDRESS OF THE PARTY OF THE PART
-\N)	believell to be	Wean be develop	
	relatively stable	and improved over	time.
	Through out the		
· · · · · · ·	A SSESSEN Through	V) Assessed Brouge	
	Stondard Ksts	Vanous methods, in	cluding
-		Self-report and	
		performance based	
	Part (b)	me asures.	
	1011 (0)		
	Given:-		
		after 20 years = 10 %	
	7,90	his age	
		years ago	
-	To Find :-		
		age of Aman =)	
	Proposition of American States and American St	The first water among the second as a residence with	
	Solution 2-		
	12 12 12 12 13 13 13 14 14 14 14 14	man = X	
	Aman age before	10 years = X-10	
	Aman age after	do year x+20	
	we we given :-		
	x +20 = 10		
	x + 20 =	10x-100	
	100 +20 = 10	SM -X	

y:	Date:
or $9x = 120$	
X = 13.34 ears	- Cartinal
Part (c)	
Adam :-	
Given:-	- 2 3 10
Peter can mow the la	iam In - U
John can mow the	
John Carl Mos "K	راسوع - (۱۱) - وی ارا
To Find:	
How long will do it	take to now
the lawn together =	2
Solution:	
First figuring out the	is sates
마이트 그리겠다고 하고 있었다면 하는 사람들이 없다고 있다.	No. of the control of
Peter mow the laws	1 to the minutes
his rate =	per minute.
John per 1	minute
10 that 10 th to 10 Th	her their
when they work toget	
late of norking add	
40 60 240	THE RESERVE THE PARTY OF THE PA
Rate of working together :	The state of the s
Rac of working wyell	24
The state of the s	
ratis I lawn in 24	minutes.

Da	y: Date:	· · · · · ·
	Part (d) -	
	Giren:-	
	1 1 4 (1)	
	A person multiplied a number by 3/	
	A person multiplied a number by 3/1 instead of 5/3	
	To find:	
-	what is the percentage to ever	7
	in his calculation	
	(1) 1115 EUTCUTA WAT	
	Solution:-	
	Let the number be "x"	
-		1
	Then alwaying to given data Erroy!	=
- gold to market	(Emor	x 100
	$\left \begin{array}{ccc} 5x & -3x \\ 3 & 5 \end{array} \right \times \left \begin{array}{ccc} 100 \\ \end{array} \right $	
	3 5 x 100	
	<u> </u>	
	3 /16x	
	9000 % = 15 × 100	
	5x	
	3	
	$= 16x \times 3 \times 100$	
	15 · 5x	
	2 (48%) x 180	5
	= 0.64 × 100	
	= 0.64 × 100	
-	(NOT / = 1 / "	
- Alexander		

Date:	
	No. and the second second second second
Dection - 1	and the second s
Question No:3	
Part (a).	
34n:-	
Jun is the star at the center of	
the solar system. It is perfect sphere	
milky way.	
smille of the sun:-	
Diagram	
The core	
The radioactive	
2 me	
The photo sphe	re
The chromoso	here
	- Maria
The corona.	
	Section - I Question No: 3 Part (a):- Sun is the star at the conter of the solar system. It is perfect sphere of hot plasma. It is the closest star to the rarth and amber of the milky way. Structure of the Sun:- Diagram: The core The photosphe The photosphe

Day:	Date:	
	Explanation:	
1-	The Coxe:	
	The innermost part of the son with	
	Premendously high temperative and	
	pressure that mades to houghly	
	15 million centigrade At this temperature	
	nuclear fusion occurs converting hydrogen	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	to helium nudei and energy.	
	Radioactive Zone:	
	After core is radioactive zone which is	
	between 20% objectives to 70% of	
	radius in which energy transfer occurs	
	by means of radiation (photons)	
0)(Convection Zone:	
	After gadioactive zone to the visible	
	surface of the sun is convection Zone.	
	Here sun diffuses and enough enougy is	
	teleased that becomes primary source for	
	butword heat hansfer.	
iv-	Ti shaking	
	IF is the lower atmosphere of the Sun an	d
	the part that we see . 7/5 300 miles this	
	and temperature is 5,500 centigrade.	
V-	The Chromosphere 3-	
	A réddish layer outside photosphere	
	with few thousand nites thickness and vising	
	lemperature from 6000 to 50,000 centigrade	
. Vi-	The Corma:	
	Outer layer of Sun's atmosphere that	
	extends for millions of miles from the	
	Surface and temperature seaches one million	
	centigrade.	

Day:	Date:
	Part (b)
	보다
	Tsunami:
100	Isunami is a Japanese word meaning
	harbour wave "It is used as The
	Cientific term for a class
. a.	bnormal star wave that can cause
- (catas trophic damage when It hits
a	Coastline.
	How It is nonexaled.
	How it is generated:
	Tsunami Conbe generated by an
	Isonami con be generaled by and
<u> </u>	a) Corthquare
	6) landstide (evosion)
	() Volcanic emplion
	d) By the Force of an asteroid
	- coashing Into the sea.
	and the second of the second o
133	a) Earth quake
	+ Sunam: due to Earth quake.
6)	Erosion / landstide tsmami.
4)	volcanie tronami:
6	
	d) Falling Mateors
K	
11	
To the second second	

D:	Date:
	Examples of some secent tounariss.
	a) The 2011 Tohoku Enthquake and
	Tsmami that is also called Great
	Jupan tsmami unich Killed 18,000
	people.
	b) The 2004 Indian ocean tsmami
	which killed 225,000 people across
	dozen of commics like Indonesian
	Sirlanka, India and maldires.
	Part (c)
	Environmental Pollution:
	Environment 9s The surrounding and
-	Conditions of people, animals and
	plants. The attenionation of the natural
	Surrunding of living creatures due
	to anthropogenic and natural causes is
	Called envisormental pollution.
	Church entress in the
	Harmful effects of senviron mental
	Pollution:
	D. A. A. salestana
	Danaged elssystems:
	when particulate pollution is
	Leavy in an area, it can have a
	huge impact on forests, wildlife and
	Gastal regions. This impacts the

Day:	Date:	
	ix) The natural environment	
	should be retained and	
	extinction of plants and	
	appeals should be stapped	
	by conservation and biolongine	7'49
-	x) life style changes and	
	better human decision of	
	routine life can better the	14
	situation a lot.	
	Part (d)	
-	==	
	Leshort de micelos de monte To	2
	What is wiseless communication	09
	Wileless Communitation is	
	the method of transmitting	
	s low trip	
	tooker without using any connection like whes, lastes or any physical medium	
lah e	Connectem like wikes, lastes	
	or any physical medium	
*	Basic elements of windless	
	Communication:	
	i- The bansmitter	
	11- The channel	
	iii- The receiver.	
*		
	#####################################	

Day		Date:	
	Question	No.5	
	Part (a).		
	Diffen	nce between	
	EuKaryotic Cell	Prokaryotic Cell	
r)	Unicellular & multicellular	if always unicellular	
ii)	Size from loum -	ii) 02/m-2.0/m	
m')	Chemically single in nature	iii) Chemically	
·V)	Nucleus is	iv) absent nucleus	
v)	Ribosames are present	v) Ribosames small	
VÍ VII	DNA is linear	vi) DNIA arcular	
(יויוע)	through mitosis Mitochandria		-
ı'x)		(x) absent	
x)	retiwium present Flagella present	x) ismaller in	
XI)	Reproduction both Sexual & Sexual	asexual	
×ii)	examples: Plant & animal cail	XII) Examples (Bactura.	

Day	Date:
Cell wal	Ribosomes.
cel:	1 Golgi dus
wember	approxius
nudars	pracus cytoplasm
	Jegniculum Pillo
TOK T	mitochandra (1900)
amylophat	Rihosones) v (cil)
DI	nt cell Nucleoid Pasmic wall nt cell Namic wall nt cell nt ce
10	nt cell Bacteria Flagellon
	STATE OF THE STATE
	Part (b):
1 10 10 10	
	Global Warmings-
	Definition:
	Gracular increase in Earths temperature due to greenhouse effect that is intern caused by (D) of CFCs and other
	temperature du to greenhouse
	effect that is listern caused
	by (D) of CHES and other
	pollutants.
	Causes:
40	in Course
A	Mab made Causes: 1) Deforestation.
	1) Letoresianon.
	그리는 그 보는 분이 많은 보통을 하면 하는 것이 말라면 하다는 것 같아.

Day:	Date:
	ii) use of vehicles fossil fuels
	111) Chlorofuro Carbons
	Chief Growns
	(1) Industrial waste gos.
	V) Agricultural waste
B)	Material Causes: valcanoes, tores
	blazes nuater vapours et
	effects.
	i) Rise in earth temperature
	11) Threat to elosystem
	iii) change change
	111) climate change
	iv) spread of diseases
*	v) loss of natural babitat
	Measures to Controls
	i) use of Renewable energy
	(i) energy efficient homes
	Ey work places
	iii) Rofose, reuse
	and regele policy.
	iv) stop deforestation.
	my performance.

Day: Date:	
Kyoto Protocol:	
1000	
Inhodyction	-/
Therentiand reaty to	-
reduce dreen house 94508	
emission. It extends 1992 UNIF	CC
commitments.	
History:-	
advoted on 11 Dec 1997	
and entered into force on 16 February 2005	
16 February 2005	
Soals	
Reducing global warming	
by reducing green house gases	
to a level that is not dangerous	
Achievementes-	
The souls a little	
The goals could not be achieved will due to increase	
in production of green house	
more than a par That	
CAR not to D Doducers	
are not top producers at the time of breaty	
Criticism,	
us and China ax	
the largest producers need	
to take concrete Steps Rat	
are lacting.	
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Day:	Date:	
		Make in the same
-	Part (c):-	
	615:-	
		A A
	Definition:	
	0 =	
4.		
- vou	can edify by presenting it in	
T 1	e fascinating way. such as	7.10
	rams, clearly labeling it.	
	ting heading and sub	
	dings and then explain it a	
	. following the standard	
	hod for maths portion with	
the same and the s		
THE RESERVE OF THE PARTY OF THE	rate calculations, and good	
	of marker can help you in	
earr	ing good grades.	
	La L	
-		

Day:	Date:	
	0 11	
	Part (d):-	
31		
	n do	
	Antioxidants:	
100,71		
	Definition:-	
-		

-		
		itev.
3.50		
A		
-		

