

205- ADDUAR COMMA MARE 200 MOCK EXC. 1123 computer The computer is made up of various input and output devices, me mory storage devices, buses, register and much more. In order ensure, these components work efficiently, the CPU whis designed. Properly answer the asked Part CV · Division of CPU Furthermore, the CPU is divided in 2 rants 1) ALU :the ALU or anithematic Logic unit is a part of the CPU responsible for all the arithematical and logical calculations being performed by the CPU. CUS 2) The control Unit is a part of the CPU that manages the components attached to the rest of computer. If interprets those signals coming for 1/0 devices and communicates with the requestes derices to perform the necessary tenses. what do you mean by balanced diet? Deficiency of vetamens A, B, C can result into what type of 3) in balances in the human body? BALANCED DIET - A BREIF IN TRODUCTION Humans need nitrificion on the form of food and drink to survive and ensure their well-being



day-to-day basis. Ensuring proper nutulional important part of the day for energone 21 an balanced diet can be defined 11 A dietary intake that covers all the and other may vitamins, morecals the ded for requirements necessary organism to not only sorvire but also junction to the best of their ability." Add pie char For humans, these requirements range from consuming proteins, carbohydrates, pats and much more Deficiency of Vitamins:-Disease Related to the Deficience Vitamin The deficiency of Vitamin A Causes (Night Blindness? A 5 The Deficiency of Vitamin & came Kon 2) Deficiency of Vitamin C causes 'Scorvy' 3) The Discuss the working of Optical tous. What is Gps? 41 measured by southilles? How 20 and 30 locations a WORKING FIBERS -PTICAL + Normal кистиции Ray (Cross-Sectional View are Cladding Optic Fiber Calle)



Optical fiber caples work on a principle of Inter Refraction! It is the process of the ray of light The medium that it orginates 01 incidence is smaller than angle angle refraction dQ_ < MAR Q=angle of invidence QR= angle of repraction POSITIONING SYSTEM LOBAL X d. SR-H-> GPS satellites di d3 d= distance b/w satellites de = distance of Earth location from a consellation of satellites that orbit GPS PS Salellile 1 ds = distance from the orber the earth. They are used por the Saulite 2. purpose of locationing and positioning in real time. close to 36 cach with 10° sphere They numbered reperence. Since the ear only 3 takes is a sphere, 120 offset ner if Safelli to fully more better correspe Satellites men works on the principle of triangulation Gps distance du the satellites a the poin The point is triangulated and the taken. The ica ion Bs conveyed. For 30 locations, additional eatellike nuel the height of the weation.



what are the merits and demints of global 3) warning. MERITS AND DE-MERITS OF LOBAL WARMING Global warming, is a phenomenon that has taken the world hostage The continously incleasing rising temperatores are leading to the polar ice caps melting tee This in torn raises the sea levels. Threatening costal belk, town and areas due to increased risk of flooding. The merits of global are non-exsistent as it is considered as a life-threadening phenomenon. De- meritsa 1) Increased risk of plooding due to vising levels of the sea 2) Increase in temperature, leads to variation in crop ydes 3) Increase in sea levels leads to risk of contamination of presh-water sources Variation in rainfall pattrens. 4) threat of bio-divusity loss of endangered and un- endangered plants and animals species. Migration pattrens of animals are at rick. 6) Threat of wild fines, urban blooking has muened 7) Population lying at the coastal set at risk of 8) loving their livelihoods and once due to vising Sea Jonels.



What is poleo? what are challenges in eradiating polio from Patristan? POLIO - A BREIF INTRODUCTION Polio is a life long illness that appeals the Lower "Strelefal system of the human body. Polio affacts the menular eystem of the body à tender age. It is often diagnosed in infants and children under the age of S. Cirrently, There is no use of poleo and the only way to aword is through immunization waterborne disease and is often drops. It is a foind d'é contaminated water supplies. Challesges for Polio Eradication Societal Indeceptance and Regressive Attitude 1) Due to malicious attempts in the past some individuals, today people view polio immunization with a lot of kepticism. In this wa bake news, it has compounded this problem go people are not willing to accept this narration of polio being a disease Resources due Inadequate 2) Pakistan's meagne reasources au mable to combat this as for fling areas are often out offeren immunization teams Security Problem: 3 but to the prevailing situation, polior teams constantly get attacked.



Question No.3 Why atoms form Chemical bonds? Discuss covalent 1) bond in a water molecule? BONDS:-HEMICAL Atoms are in a constant struggle to become stable Except the group VIII odorns, every other element is election afficient or deficient. This affinity and deficiency leads the to trade, share or combine with other atoms to attain stability. The major chemical bonds are listed below lonic Bond :) Covalent Bond î) Upite-Dipole Bond and many others. ii) N WATER BOND OUALENT Molecule Present = 6 Electron, > p-shell = 18 Electrons 80 e dec S- shell capacity 22 Electrons tocomputi Octet? guell 0 > Covalent Bond shell H Oxygen Atom Nucleas electron needed thy druger Hydrogen 21 more Nucleas to complete At Atom

CS CamScanner

As dended in the diagram, Og. is an electron depicient atom. It has 2 atoms less in the p-shell of the a To pulpill this, it pours up with H? which electron in valence shell. It is mutually beneficial bond as both atoms attain starsility from sharing the electrons. What is poping? Discuss different types of Ceramico. 2) OPINGE It is the process of adding an Fom either Group IV or VI elements electrical conductivity of eat. It is of 2 types Extrinsic Doping Extrinsic Doping Intingic Doping is onen Group elements. are Silicon, Germanium incience Their clern al roup VI eliments conduction fy. 16 doping. referred to as entineic and it is Types of ceramics: Earthenware Porcelén Nano- Cuamics. history of the states of



Section-C Question 6 c) Data: S= Distance = 42km V= Average speed= 36 km/hr Time of Departure= 4pm Arrival 5? Stop 1 'stop2. 11. B -42km-A Apply Formula: Sa= V tarnig 390/ Re-amange t= VIS 42 = 35 36 = 0188 has lolly his 68.4 mins = 091 reach its distination by 5:08 pm. Data ? **b**) Cost = 180 Discont 15%. Sales Tax = 10%. Final Price 2? Solution :-



gedicon. C Renifed => Bost = Discant - Tax 151. - 104 hhin Final Cost, Total Costed 1/2051- *+ cust) 2 80 -1(5-1..80) 80 -(10.05) 80 7 -SRs.74.8 Final Cost = Ra \$ 74.8 × 2) Arrange the Jumbled words 1 82 man milliper A 5. (a) teninsuperfed ENIN SUPERTED SUPER INTENDED The pollowing word is superinte and the of words which have hollowing has blocks been jumbled. Super is a block, Ten ie a block and the rest ar seperate hwefi (i) E H W W E 3 dial The following word is white. The 1st and 2nd letter been interchanged and the has letter too. The 4th letter is 3rd and 8th correct as it at the correct el



		From non-sour ()	
	a)	Datas second	10
		Ratio = A: B: C:D	and the
6-1		=> 7:7:3:1	
	7	A = 50 + C	
		B = ?	
		. According to a second second	
		Solution:	
		MAXING AVAILAND	
		Sum of the ratio = 4+7+3+1	
		2 5	
		A: B: C: D	
		(50+0)4:7:36:1	
		Product of means = Product of expenses	
			11
		er mar o X. er mar o X.	
		i bind	(d)
		Al sain and a	
1		E the adaption	
1920		and a solution of the second second	
		deitelo/	
		Sollar State Active States	
10-10-1			
			1
Contraction of			1



a		
Prof.		
	Question No.7	
(0)	Datas	10
<u>(a)</u>		
	Radius=30cm	
**************************************	Heights In Volume = ?	
ana paga patripa atan kilata ata	VU (WVUE	
	Use Formula	
	V=Trth	
	2 martine and a strategy of the Martine Strategy	
	V= 11 0 (30) ² 0 100	
	= TI . 900 pm = 100 cm	
	= 22.(9000)	<u>No.</u>
	1	
	$= 22.900 \text{ m}^3$	
	and the Tender of the tender of the tender of	
	concert into (m)	
	= 22.9 mb	
	$\frac{7}{2 \ 192 \ m^3}$	
	$= 190 \text{ m}^2$	
	= 24 m ³ 1	
(b)	bata:-	
(4)	Data.	
	Average age = 15 Ratio = 3:5:7 youngest boy age2?	
	$\frac{1}{10} \frac{1}{10} = 3 - 3 \cdot 1$	
	youngest 1009 agez:	
	Solution	
	let A:B:C be the ratios	
	Ar B: C	21
	AFB:C 357	



average age = 15 2 34 126 80 age of A= 15×1 = Syears Sem age of B - 15x1 = 3 years age of C = 15x1 = 1215years Hence youngest boy are is 2.5 years c) Identify the series i) 8, 19, 52, 151, 447, -? (what is corong number in series. The series follows the niles of ((Number 22) - 5). The jump? from 8 -> 19 is following This me However, The last member 447 is wore at as is not following this when the correct form is: 8,9,52, 151, 448, 1339 11, 13, 17, 19, 23 _? ú The following series in incements of +2 a 11 -> 13 11 of +2. Ther Jump from next jump from 13 -> 7 is of ty. Similarly the pattoen is followed by the next Las well. next jump from 13 Resultantly, the next n se 25. $\longrightarrow 11, 13, 17, 19, 23, 25, 4$



Data: 2) Sides of A = 4cm, Sem, 6cm Angles of each side ?? Scm 4cm B 6 cm Let E be midpoint of EC. such that BE=sen and CE = Jam Soy & AEC-EAC AE = AC +CE = 4/42+32 = J25 . to = 5cm -Now EnobLopA = 180°

