

(6) (incetton - 2: Answer: CPU is called bearin of conjunter and it works som larly like human brain-Data processing: CPU process the data and instructions set by software. Human beain process information send by senjory cells. controlling : C.PU controls comput working and brain controls boody. Mennory management: CPU manges manony in RAM and Brain keeps menong in short kinn and long term. Dala Transper: CPU transfers data to the parts of compide and brain such it to gion harmone and organs. Therefore it is said that work in similar man both



( ) Answer: Balanced diet: balanced died is . She diet That fulfills the nutriend require ment of the human body and protects against diseases Let bood be thy medicine." (Ancient greek Proverb) the matter of the state of the -Difficiency of Vitamins and irregularities live gularities Vitamins Night blindness Vitamen - A Vitamin -B Beri Beri Vitamin-C Skin diseases, Scurvy, gum ble



(d) Answer: Optical fibers:-Dor and services working method: Fiber optics work under the -phenomens of internal, septersion. Light travels from the one end of the wall to the core of "cable. This light bonce off the walls of caple sporteally. GPS: Grindal positioning system is a sattlelite which provides formation about locations through navigation- This is US owned System Londars



Measurement of 2D and 3D locations: Saltelites work on triangulas: or tetsis-angular psinciple - First the location is detected th to information is chared to I location center, which finde the out the position of the person Explain properly-Question - 4 (9) Answez : Bile Bile is a juice creat



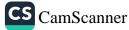
liver and stored in gall bla plays hole in digestion and afts and absorption patty acid into smaller components lever produce One letse daily - When ford of bele is sent to smill : , Re ture liver releases bel ble duct into small. inter BPLe is responsible for defferent colors of human feaces. (6) Answer: Role Of Kidneys in Excure fion: Evelineges plays significant Filters blood i semoval of vieg - Electro lyfe balance : emoval of energy Na, K Pica Excrehow - Removes prevats excess dehyde ond - semoval of acids i Hel drug elimination 1 Alcohol, medications Mainfain harmone balance i Insulin - Regulation of BP 1 fluid balance



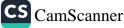
(0) Answer : forms of Solid waste managenerd: O Reduction: Solid waste produce tion should be Solid wante mang gment not be a horndour @ Reuse: Instead of plastic or paper products remable products Like steel glasses, plales, cloth bage should be made compulsory to use 3) Recycle : Waste material shuld y and be treeycled so ever environment should be saved DWaste to Energy production: Solid waste can be turned into energy sources. for example solar plates can be made from those wasted products - Appliances can be made. 5 Landfills ! The non weakle



material can be thrown burse inside the Lond for de composition. The process should be done non, -residential great. (d)Answer: (1) Anemoa: Anemica is a desease caused by the deficiency of Iron - in this condition FBCs are reduced than rormal level. (ii) Appendectis: This is the condition of inflammation of appeldix, a small organ all ched to the large insteadere Thos causa severe abdomment pain and naurea and leads to the sens of appendix. in ) Spleen: Spleen is a purple and reddish estor organ on upper tag & of abdomen. It is regoonsible for filtering the



blood and RBCs. storing . UV) Myopia: dise sightedness. In this ne objects are clearly visible destand are plur. : ) Isotones: Istones are the have same numb neutrons but differen of protons in nulo = 8N = 8N NIS Isodones 8 N C'Y



Section- II Sec. 8 20. allor a a) Data: Toy blocks = A, B, C, D Ratio = 4:7:3:1 Difference between Aand C: 50 We know that solution: A = 4 and C = 3 : 4-3=1=50 By multiplying 50 to all vations we get: A= 200 B = 350 .C= 150 D = 50so the number of (B=350



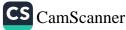
(6) Data : Orignal cost = 80\$ discount price = 18 %. Sales larc = 10 %. Final price = ? Solutions first we will find d price 80\$ -15%. 15% of 80\$=12\$ : 80\$ - 12\$ = 68\$ Now will apply soles the discounted price. tan -689 + 10% · 10% of 68\$ = 6.8\$ · 68\$ +6.9 = 74.8\$ Is final price Anower-



(c) Data = Distance = 42 Km Speed = 36 Km/hs Departure time = 4 pm Arriving time = ? ment la Ca Solution: If the train's speed is 3.6 Km then in I hour 36 km will be covered. = 42-36 = 6 Km IF 36 km distance is covered ins bo minute, then 6 km will be cover 10 minutes 4+1 hr + 10 = a living fime : Arriving time = (5:10 >Anner



6) (1) Leninsuperted: Superinter (ii) hweti:



Juestion -7: (a) Data: V= ? R = 30 cm = 0.3 m H= Im Solution:  $V = \pi \kappa^2 h$ TK N2 = (0.3)2 = 0.9m V= 3.14 × 0.1×1 V= 3.14 × 0.9 V= 12.826 purver. Volume of cylinder = 2-826 -(b) Data : Average age of 3 boy= 15 y Ratio = 31517 Age of youngest boy =? Solution = IF average "ge 3 boys is 15 then total age = 3x 15 = 45



dividing By aver age we get 45-15 = 3 we will multiply ratio with 3 to get ge of the boys 3:5:7) =9,15,21 : The age of younger I by Tyears (0) (1)  $8_1 P_1, 52_1, 151, 447$ 8,19,52,151,448 is right : the wrong number 15/447 (ii) 11,13,17,19,23,- · 11, 13, 17, 19, 23, 25, 29, 31, 35...

