Attempt only 2 questions from sec 1 **Insufficient length** Insufficient headings **Draw diagrams** Day: MTWTFS Work on math portion Date: __/_/20 Section I QN02 a) Cop 28 summits is held United Asab Emirates in which UAE pledged to establish world park. Moreover. Solar biggest atten has been towards paid loss Aund and amage nor most climate change countries. The Wit which hurdle being faced main 5 developring countries like Palustan by due heavy flood and hampa. financial crisis. Developed countries pledged to establish loss and damage P. Jamesos fund. Solid Waste Manugements solid waste management is a process in which waste products gactories and industries are

mped proporty to escape harards of pollution. from methods which are The USEC

Day: MTWTFS Date: ___/__/20 2 por proper management of waste ase i) Landfill ii) Incineration iii) 3 R (pe dure, neuse, recycle Reduce Reuse X 111 4111 Reyder and fill tai It sa pocess in which weste of industries is dumped under ground. Incideration In this process whole muste moduct is burnt and by collecting in deserted place Reused which have a company to some waste is made able to use again and again por using multiple times

Day: MTWTFS Date: ____/___/20____ c) Balanced diet Balanced diet is that, good which contains all the patrients essential per good health D) Three Renewable Energy Resources under CPEC A - Construction of new dams B- Very large solar park in Bahanna pur C - wind power plants in desert areas. boy open ~ 3 oceans. Hwe QN04 Head Frances a) Earthquake Sudden release 76 555 of energy prom earth's tactonic plates called earth quake 10 71.

Day: MTWTES Date: ___/__/20 4 Tusnami: Tusnami occurs in the sea after carthquale due to release of large amount 14 energy. A weent example of Tusnanci can be seen in Japan after earthquake. Corolious Force: *b)* 4 Corolious porce porce is that, porce which moves bodies in arcular path with high speed like hurricanes in oceans. Hw Hurricanes: Husticates come in occur que le neay aix storm causes air to storille from which lippopent sides Plates stirm anr)

Day: MTWTFS Date: ___/__/20___ 5 c) Solar and Lunar Eclipse Solar Eclipse Lunar Eclipse i) In solar eclipse i) In lunar eclipse moon comes between earth comes between fun and earth moon and sun. ii) It occups ance in iii) It occups very Aten. a year. iii) occurs during for puteris) it accurs in Hull moon. Snand moon CO MAN LO Solar Felipse Sun Earth noon Umbra Penumbra Lunar Eclipse: SHIT noon Earth Umbra Penumbra D) Semi lonductors ... I bere ase two types se mi conductors

Day: MTWTFS Date: ____/20 a) Intoinsic Semiconductor b) Entrinsic Semiconductor a) Intrinsic Semiconductor: The semiconductors which are found in pure porm are called informaic semiconductor Entrinsie Semi conductos: the semiconductor House which pure is in entrinsic semicandition alled 6 loping: oping is a process which tribulent or pentavalent in Impunity alongs and added in semi conducter entonsic to produce here electrons or notes conduction for An flectron Si Sb An (56) An

Day: MTWTFS Date: ____/20 pNOS Ash Shines (a) Rom Ram i) It is Random i) It is read only menory access memory. ii) It is non-volatile ii) It is volatile. memory memory. iii) It is temporary i) It is permanent memory Calg le 2 Nibble Four bits make one byte and two bytes make one nibble so INibble = 26 ytes 8 britsh sham 2 oric <u>- Easticl</u> USB: USB s universal serial a type of memory bus. It is is moveable That can be used to transfer elater from place to another easily. one Sunsund USB

Day: MTWTFS Date: ___/__/20 8 6) Astificial Intelligance It has revolutionized the world by various benefits por human. It has been used in agriculture, medicine, depence and other useful purposes. c) Optical Fibre. Optical Aibre a cable site bundle is light bright wires of very used to transfer which are data in a guide and and has eghicients way made homan work easier Optical Fibre Optical speed of Satellites The optical speed of satellites is 7.9 km/s on average

Day: MTWTFS Date: ____/20 9 there are two kinds of satellites a) Geo-stationary satellites b) Polar Satelliter Geostationary stellites .. These satellites off moves with the speed earth and remains stationary to earth. thats with nespect called geostationary why they are stellites. These satellites dre used for transfer of infermation navigation and image pormations Geostation N poles S Pole b) Polar Satellites: Polar Satellites moves along the poles earth and provides infofor that region and manigate

Day: MTWTFS Date: ___/__/20 10 that area. Equator N Potes 5 Pole Potar Satellite QN07 a)sale price of each 10 Scooty = Rs 96000 Propit on porst scooty = 207. 196000 20 × 86000 960 100 20 000 50 ON 19 2.00 7 9200 Purchase porce 96000 - 19200 ABIOOR = 4576 800 19200 76802 loss on seend = 19200 loss \$100 S.P 2 86/182 182 19200 X100 96000 loss 2 % = 34

Day: MTWTES Date: ____/___/20 11 6) men: hour : Day 195 110 13 :1 ĸ 20 X 7 0 -5 HTX 3 11 100 2 × u Hence Lou men ore reguires 15 days daily 13 hours Linsh in 2 : work. C A > { 9, e, i, 0, 4} 0= 3 6, c 2 Find 50 3 5, q, e, i, 0, 43 0 , f, g, b, j, k, L, m, n, p, s, r, st, u Yiz Ams

Day: MTWTFS /20 Date: _ _/_ 12 d) volume # 6 of square Pyrumid = 372 cm 0 quare lyramio height= 3km Resignation of base 12 (ength of one side = 3 72 19.0 B. Em 372 Porimeter of 4 Hence Base = 4 272 19 Z 261 2 Permetero Rase 6 cm 10 1 s/rs w 2 0 1. 2. B. A. Find Ann