

(C) If A is the brother of B and B is the sister of C, C is the father of D. How D is related to A, D being being a male number? Solution: According to the statement A, B and Care sibly and Dis the son of C. Therefore, D is nephew of A. Explain in words 1 In a certain code ROAR is written as URDU. How URDU will be written in that Soltin: H ROAR -> URDU Then, URDU XUG Beegise ever each new letter in URDU is dolared by three letters forward in ROAR. Q No. 7 a) A number is divided by 6 and then 50 is added. If the total is 60, what is that number?

Solution: let the number be in +50 = 60 7 = 60-50 2) W/ 2 10 a [2=60] - The number is 60. (b) Find the odd one out: 8, 16, 24, 34, 40, 48 Salution: 34 is the ad number be our is only divinte by 2 and 17. (c) A tower is 15m tall. 15 I am standing 20m from the base of the tower. What is my aerial distance from the top of the tower? Polution: According to the given statement, 20m

Using, (Hyp) = (Base) + (perpendicular) (Hyp)= (20)2+ (15)2 2 400 + 225 (Hyp)2 625 (Hyp) = 2, 625 Hyp = 25 So, the aerial distance from the top of the base would be [25 m] (d) In a hotel, the tarrity for every odd dates is R. 1000 and for even dates is Rs. 2000. If the man pard total of 30000 in all. For how many days ded he stay in the hotel given that the first day is 5th date of the month? Solution: The person stayed for a total of 20 days, paying Rs 1000 for and aares and Rs 2000 for even dates in a total of Rs. 30000.

Section-I QN0.2 eating a diet that contains either insufficient or too much nutrients as a result of which health problems arise. Causes of Malnutrition: Malnutrition arises due to undernation and overnutrition. The major causes of undernutrition malnutrition are 1) Increased Metabolic Weeds: needs to perform increased metabolic activitie such as recover from surpery, infections and peneral wounds in these circumstances our regular diet intake may not be able to match there increased needs. 2) Medication Side Effects: Somet medications cause side effects such as loss of apporte and faite, nausea, drowsiness or fation, and shortness of breatly.

KIPS Education System there side effects can reduce the amount of of food we eat 3) Food Insecurity and Reduced Mobility: a small food budget and having minimal access to food stoves impacts the quality and quantity of food which impacts how much food we eat. Having reduced mobility reduces the ability to cosk and prepare food which can lead to eneller quantities or less nutrition foods on our plate. 4) Mental Health and Other Medical Conditions: Medical conditions such as Alzheimers and depression can interfere with our internal body clock and hunger wer leading w to the Malnutrition due to overnutrition: The reason belied the rapid rise in obesity in adults and children is the cheaply available foods and drinks high in fat, super, and salt.

Consequences of Malnutrition: Malnutrition can have many adverse side effects, these include: 1) Muscle Wasting: Our bodies prioritize our organs over our skeletal muscles. If we do not receive adequate protein from our diets our body begins to loreale down and we protein from our skeletal muscles to maintain our organ health. 2) Reduced Copnitive Abilities: Our brains do not enjoy being underfed, being underfed can lead to teeling lethangiz, irritalility and irrational History 3) Reduced Immunity, Wood Healing and Infection Forhtigh Reduced intake leads to dued metabellic activity. Without petting myn sod intake our body can not devote or quate esource and processes to keepy we in a healty state

(6) Food Adulteration Food Contamination (1) the add in of certain 1) The deterioration of the inpredient fat are not quality of substance (food) lepally servited in them. (i) Adulte from is performed (i) Contamination is not as a practice by certain merchant performed as a practice to dan more profit (iii) Adulteration is (iii) Contamination our hypen naturally as well as a mostly may-done result of environmental factors such as heat, humidity etc Computer Ruses: computer bus is a subsystem that is wed to connect computer components and transfe data between them. For example, an internal bus connects conguter internals to the momerboard transmot deta in bit-serial format. While whereas,

parallel buses transmit data across multiple between RAM and ROM @ ROM stands for ORAM Sands for Random Access Red Only Memory (ii) the invadions written ii) the dota can be changed or deleted in ROM can hot be deleted or changed iv RAM is a volatile memory (i) ROM is non-volatile memore

(v) the instructions are The instructions are written into the RAM at the time written into the ROM at manufacturing time of execution Will is not possible (v) Instructions in RAM charge continuously as different to write new information or instruction programs are executed and new data is processed Geo-Statimary Satellites: A ges-stationary satellite is a satellife that revolves around the Earth in its equatorial plane with the same augular speed and in the same direction as the Earth votates about its own axis. Because of the fact that their relative velocity with respect to Earth is zero, they appear to be stationary to an observer on Earth, and that is why are known as geostationary They are also known as synchronous satelites because their angular velocity is the same a that of the Earth on the own or. The beight of gestatinary satellite from

KIPS Education System earthr's surface is around 35,786 km Natural Satellites Vs Artificial Satellites O Celestial dejects that i machines made by orbit the earth and into space and orbit task another body in space (ii) The International Space satellite of Earth Articipicial Satellites of Confirmed cristing the planet, called