Name: - Muhammad Sand Afrail (GISA) - Part - 11 (2 no. 2) The statement that the doctors rather than stort relying more on nutrition rather than drigs reflects a perspective that amphasiyes 1. Give numbering to headings in healthcare importants write lengthy paragraphs. Write holist holistic suggest medium sized paragraphs with headings. idea preventive Do nativisa table for comparison and The contrast questions.

Some what. Draw figures/diagram/flowchart where highlight niapplant points that are Start new question from fresh page. Prevention. Write unit of the answer in ability section.

7. Expression and high Orghbing and high Orghbing thematical steps and the " " +++ the reasoning top better score. 's better than core states of the states nutrition. Wide page borders are discouraged.

Notification of sufficient nutrition. Wide page borders are discouraged.

Should be reasonabledy one can keep thems Over the solver as the solver of th obsity part/siof, the question of diseases etc. It can also lead to prevention of these diseases in first place if healthy eating are promoted. of nutrition in health: Nutrition plays an important role overall well-being since it provides the many essential nutrients. The deficiency I there noticents can lead to many

be avoided realth problems which can by use of the nutritionist approach. Complementary approach:We don't necessarily have to think about nutrilism and drug use in health as opposing forces or competing phenomas. They can both complement each other as well. Just as nutrition is important to prevent diseases and to strengthen the immune system, joine drugs are also vital to save patients from terminal/non-termina illnesses that may arise due to environmental or other inevitable factors. While the statement suggests that notrition will play the central vole in healthcare, its important to recognize that pharmaceuticals will continue to be the focus when we talk about aliseases that make use of the ignificant stydes that drug therapies and other medicinal management systems have made. (Q2)(b) Composting, incineration and pyrolysis are waste management techniques for different types of solids. All of these techniques have

their unique advantages, terms of procedure and environmental impacts. Each of these processes (2) are discussed separately below: Do not use tables for comparison. Pyrolysis Composting Incineration 7A thermal treatment /7 Thermal treatment FIt is a biological process that involves process where waste process that involves burning solid waste at is heated, in the de composition of high temperatures in obsence of oxygen, solid waster. kontrolled environment. leading to breakdown. a Used for organic 7 Includes treament of - Usled for waste like plastic, rubber as municipal solid waster wastes such as land other hazardous foodscraps, yord waste certain hayardous materials cy agricultural residue.) waste, etc. damaging environmental -y It has enviromental 7 It is an Inestably than concerns such of environmentally air emissions linduding incineral ion and friendly and pullitants and greens has some benefits stable method as well, such as house emission gases waste reduction, and the need for proper water sorting. and it has energy recovery. minimal environate impacts. encitally In summary, composting is a biological process, fincineration is heat treatment with oxygen and pyrolysis is heat treatment without oxygen. The choice of waste management methods depends on the type of waste, environmental factors and desired villization outcome

(22)(c):- Role of Kidneys in Vine formation: Kidneys play a crucial role in the Tormation of wrine as part of the exerctory system. The steps involved in this, physiological pracess are :-(i) Filtration: Blood from renal arteries enters the nephrons where it is filtered under pressure through a cluster of capillaries called glomerulus Filtrate enters Functions of parts of kidney are missing. reash sorption begins. Selective transport of glucise, filtered water and other essentials is carried at back into the blad stream. (Tii) Secretion:-Renal tubules actively transport toxins from blad stream to tubules. Body's pH regulated and maintained here. (iv) Concentration & dilution:-Depending on body med or hydration status, loop of Henle produces wine that is either concentrated or diluted. (v) Formation of Urine: These processes continue to modify the composition of the filtrate and it's eventually enters the renal pelvis and flows to vieter and stays there until elimination.

In short, kidneys play a vital role in 3 vrine formation by filtering bland be remove waste products and excess substances. The formation to vine is a highly regulated and dynamic process that is essential for the establishment of homeostasis and elimination of metabolic waste from the body.

(Pa)(d) N-type S. C

- majority charge carries

are electrons, with

few holes or vocarry.

- Achieved by introducing

impurity called donor

impurity
- Examples include

P, As, Sb added

to Gre or Si.

P-type S.C

Thajority charge carriers

are holes oto vaccount
electron positions.

Thehieved by introducing
impurity called accept or
impurity.

Texamples include B,
Al, Gra.

The interaction of N-type cy p-type semiconductors is essential for operations of clevices such as transistors and diodes. Semi-conductors serve as the foundation for electronic components such as ICIs, etc. Therefore, the statement "Semi-conductors are brain of modern electronics" is a well-founded by apt observation.

(Section - II) > (2no.6) (a) Sense identification:-(;) 10,100,200,310, The given series is a geometrie where the sum difference Consecutive of is increasing by So, The next term world 1430 and onwards (ii) 3, 7, 23, 95, The series does not form immediate series. However, the next term could be 1351 look at the ratios. 26) (b) Penmeter of rectangle = 2(1+h1) Here, $L = \partial x + y$, W = 2x - 3. 114 = 2 (2x+y + 2x - 3) 114 = 8x + 24 -6. 8x+2/1=1201, also = 3x-4 $\chi = \frac{12040}{a_1} = \frac{40}{2}$

Putting $x = \frac{40}{3}$ in x - 2y = 0 $\frac{40}{3} = 2y = 7y = \frac{40}{6}$ $x = \frac{40}{3}, y = \frac{40}{6}$ Area = $L \times W = (2x+y)(2x-3)$ $=4x^2-6x+2/xy-3y$ $=4\left(\frac{40}{3}\right)^{2}-6\left(\frac{40}{3}\right)+2\left(\frac{40}{3}\right)\left(\frac{40}{6}\right)$ $=4\left(\frac{1600}{9}\right)-\frac{80}{240}+\frac{80}{3}\left(\frac{40}{6}\right)-\frac{120}{6}$ $=\frac{6400}{9}-80+\frac{1600}{9}-\frac{120}{420}$

C. XLet Nisha's present age = ∞ Nisha = Romi age + 15

5 years ago = 1 Nisha present - S = Romi.p - 5Let Romi age = yNisha = y y = 15 y = y + 15

=

Therefore, Dumi is 5 years old Nistais present me is 15.