Date: Muhammad Umer Azmat NAME Batch RWPOB-36 (online) **Insufficient length** Insufficient headings (Part II) No diagrams (Section A Write complete logic and steps in math portion QN02):-Paper presentation is fine (9) 1-RAM ROM - Stands For Random Access -stands for Read only memory memory is expensive as compared to is cheaper as compared ROM to RAM DATA an be modified, exased Data can only be read. It or Read; lannot be read or modified Data of RAM is Data of ROM is non-volatile, volatil it is permanent. ii. 11 Network is a follection of computer devices and systems that are lined togather Using LAN, WAN. where as internet is a global system to link various types of electrical devices worldwide. iii -GPS stands for Global positioning system and it is used for navigation. where as GIS stands for Geographic Information

Date: system and used for mapping and analyzing things that exist or happen on Earth. V -Natural Satellites are the celestial bodies that orbits around the planet naturally. Moon is the example of Natural satellite. Artificial satellites are the computer based machines that are sent to space from earth for various purposes . These are man made ISS (International space station) is the example of Artificial satellite. (Ь)-Optical are the strands of optically pure glass as thin as human hair that caries digital information over long distances. · Optical fibre works on the principle of total internal reflection. Total internal reflection minimize the consumption of energy. 2- Signals can ravel over long distances with less energy Construction Optical fibre is made up of · Cove (Glass) · Cladding (Glass or plastic) · Buffer Coating (for extra protection of core additional Layer).

Date: · Jacket. Advantages: - Ability to carry much more information anddeliver it to with great fidelity. 2- Supports high data rates. 3- Secure Communication System. that are said to and from antheir had (3) · Fat soluble vitamins are those vitamins that are soluble in fat. These are A, D, E and K vitamins. i- Vitamin A: This vitamin helps in growth, body repairs and keep the skin smooth. Its deficiency causes night blindness and major sources of this stomin is fortified milk, leaty veg, eggs cream. 2- Vitamin D: It is important for the growth of children, Its deliciency causes vickets in children its major sources are Egg yolk, liver, fish, milk. Vitamin E: It is important in wound healing prevention of sterility and its deficiency eauses. slows down the process of RCBs. Major sources are leafy green veg, soya bean, cotton secols. 4. Vitamin K: It is important in blood dotting and its deficiency proses blood dotting disorder and its major sources are milk, fish, egg etc.

· water soluble vitamins - are the vitamins that are soluble in vitamin water. water-soluble vitamins are R and C 1- Vitamin B - Vitamin B plays very important vole in Cholestrol production, for the production of antibodies, carbohydrate and fat metabolismete. Its deficiency causes BeriBeri, skin problems, Anemia, cramps etc and Its major sources are Milk, Meat, fish, poultry, Fruits etc. 2. Vitamin C - Ot is important. in wound healing and breaking blood clots]" It is important for protection of bones, teeth and guns and its deficiency causes scurvy and its major sources are citrous fruits, guava, pineapple etc. (d)kidney is the very important of the human body. It plays very important role in Urine formation. Unine formation is carried out in three phases. 1- Glomerolar Filteration: · Glomerulus filteration accurs in glomerulus. . This process occurs accross three layers · Epithelium of Bouman's Capsule. 2 - Endo the liver of glomerular blood vessels 3- The membrane between two layers

Date: 2 - Reabsorption: · Reabsorption is achieved by active and passive transport. · 991, Filterate is absorbed by the renal tubules. 3- Urine Formation: · Urine produced 95% water and 5% nitrogenous wastes. , wastes such as used, amonia are excreated in Urine. QN03):-(9) Black hole is a massive object in space that is so dense that with in a certain radius, its gravitational field does not let. on ything to escape from it, not even light. According to NASA" The blackhole forms when a star with in more than 20 solar mases exhausts the nuclearfuel in its core and collapses under its own weight" Black holes are the regions where an enar mous amount of mass is packed into a tiny packet.

Date: (b) . In every cyclone there is - low pressure area (Attracts cool Air). 2- High pressure area. The outer area of cyclone is learnists of cool air coming from high pressure area which surrounds the central low pressure area. This region is called the eye of the starm. · The low pressure region is a warm region, where the air is warm, which expands and then rise (0) Some Common Causes of floods are. 1- Excessive Rain 2- A uptired Dam 3- Rapid snow/ ce melting in the mountains 4- Cyclones 5. Typhoons 6- storms and tidal surges.

Date: (4) Son is a star and a huge ball of gases, mostly hydrogen and halium. San produce its and it produces energy through maclean usion and give off their own light. The main factors that are responsible for the gravity of sun are its huge mass and the distance from objects. Solar winds are the winds that travel throughout the solar system and at the speed of one million miles per hour.

Date:_ (Section B)= QN06) :-(a) Corvent Value = 8748 Rs depreciation every year = 10 percent. Price of three years ago: 2 For last year = 8748 x 0.1 \$74.8 Correct price + 10 percent 8748 + 874.8 2.8 = 961 For 2nd 9622.8×0.1 962.28 = Convent price + 10 percent. = 9622.8 + 962.28 10585.08 for 3rd year = 10585.08 × 0.1 = 1058.508 current price + 10 percent = 11643.588 val price of warhing morchine ago is 11643-588 Rs.

Date:_ I Garitan Bit **(b)**: A father is 4 times the age of mis claughter. After Five years, father's age = 3 times & and for Further after five years the would be the Two TIMES OF (1) football has circular shape and we have to find the volume so, we use the area Formula which is TTY2 Diameter = 12 cm, radius = 12, = 6 cm Area = 3.14 x (6 cm = 3.14 × 31 cm = 113.01cm2 (d)Each side of Penta pn= 281 m Pentagon is regular so Perimeter of pentagon = 59, where a is the side of penlagon = 5×281 1450 0

Date: GN01):-(9):-Average of 7 consecutive numbe = 20 Largest number = ? So, assume x is the number x+x+1+x+2+x+3+x+4+ n+5+x+6+++ $\frac{7\chi + 21}{7} = 20$ 7x+21 = 20×7 7x = 140-21 7x = 119 x= 119/1 ______ R= 417 Am and to Could P + down (6) C is the father's nephew of A. Dis cousin of A but not a brother of C Both D and C are cousing to A and they are not brothers, so p and c are cousins to each other.

Date: (0) Find next number. 7, 12, 19, 28, 37 7+5=12+(7=19+9=28+1)=39+13=52 Here, odd numbers adding to the nent and starting from 5. So the missing number is 52. (d)A 1000 4x-3x = 1000 we have to find rave so B=2x = 2 (1000 2 2000 Ans