day / date: GSA Mack Good for math Q.3 Insufficient length for theory 0. Add headings C) (a) -> Major nurolles to tachtereasebengtraming 1 119 For developing countries there is a plethore of challenges they face. One of the most important is funding because developing counties have limited vesauces to allocate to combarting. climate change. In addition as discussed at the contra summit, another JE? P Significant challinge 1. the lack of Inding required to DØ, deal with the after efforts of natural disastery as was the case with Paleietun where it is estimated that over \$16 billion was list due to the destruction <u>Le</u> caused. Another Challenge is the lack of specialized human resource, for esearch & and development of effective policy models. b) -> Bolomred Diet A balanced diet is defined as a diet that includes all recessary marvonutvients and micronentmients required for a healthy life. In macro nutwiests the human body requires carbohydrates for energy, protein for cell growth, and fat for energy and insulation. Micro-nutrients include vitamius and mineral necessary for the optimal functioning of the body. These include Vitamin A. R. K. C. B1, P12 as well as potassium Magnesium and iron for example. The lack of a balanced diet would lead to admutition and deficiency diseases. In addition to the inclusion of these nutrients, 00000 the correct quartity of these is also necessary. Fat, sugar and salt dainy meat produits Fruits Q Negetables Grain

day / date:

c) -? How Machine Learning Mas Revolutionized The World Machine learning goes hand in hand with autificial intelligence. It is the ability of a program to evaluate a set of algorithms, and learn' from them and then replicate those algorithms when meeded. It has revolutionized the world in many sectors such as health education, technology, military, and at automation. It has taken a position to be applied in those sectors with the help of advanced algorithms to assist humans with their tasks. A pepular example ions openal's ChatGPT, which is a language model, and incorporates machine learning to learn from the conversations it has with its users. In addition Elevenlass' has an artificial intelligence model which can convert text to speech with the option of different voices and accents. Midjourney is a picture making model which can develop any picture on demand d) -> RAM and ROM RAM is known as nundom access memory', and is a form of computer monoung that can be read and changed in any order, where res ROM, Read only memory is a sind of non-volative memory that cannot be charged. A few differences include that RAM is more expensive than ROM, and has a higher access and read speed them ROM. Moreover RAM has higher storage them Rom, and the data stored in the Repair is accessed by the certral processing At unit (CPU), whereas the ROM is used to bootstrap the computer.

day / date:

a konten de las de **Q-5**. a) -> Different Methods of Food Preservation Food preservation to is the act of preparing food for safe, long term storage. It is used to maintain the quality and notwitional value of the food over long periods of time Methods of food preservation include chilling, freezing, sugaring, salting, canning, and vacuum packing. Food preservation is essential to prevent the accumulation of bacteria in the food, and to prevent exidation of the food. 6 -> Milky way The Milky way is the galaxy in which the Solar system resides. It is a spiral galaxy which has a radius of 52,850 light years. - ? Dark Matter Dark matter is the combination of fundamental subatomic publicles such as neutrinos, and autineutrinos. These particles are difficult to detect is but have mass. Davk matter relates to galaxies because it is responsible for the accelerated expansion of galaxies as well as the miverse. -> Parts of Galaxies A galerry has six parts in total. First is the nurrens, which makes up the conter most area of the galaxy then the central bulge, a disk which includes both thick and this disk, and spiral arms along with a spherical component and a helo. spital galoxy

*day / date:* c) Lunar and Solar Eclipses A lunar eclipse occurs when the earth is between the sun and the moon, causing earth to cast a shadow on the man A solar exlipse occurs when the moon goosses between the sun and earth casting a shadow on the parth. adow Su Moon Earth Solar eclipse moon Earth d) -> Nuclear Fission Nuclear fission is a reaction where the nutrue of an atom splits into two or more nuclei. This process is done by bombanding a nucleus with neutrons, which causes the nucleus to become instable and spir. Fishion causes the production of gamma rays and also produces a large amount of energy. o- Child nuclei neutron -> Nuclear Fution Nuclear is a process where two or more atomic nuclei combine to make one or more different atomic nudei. A lange amount of energy is givenoff during this proress.

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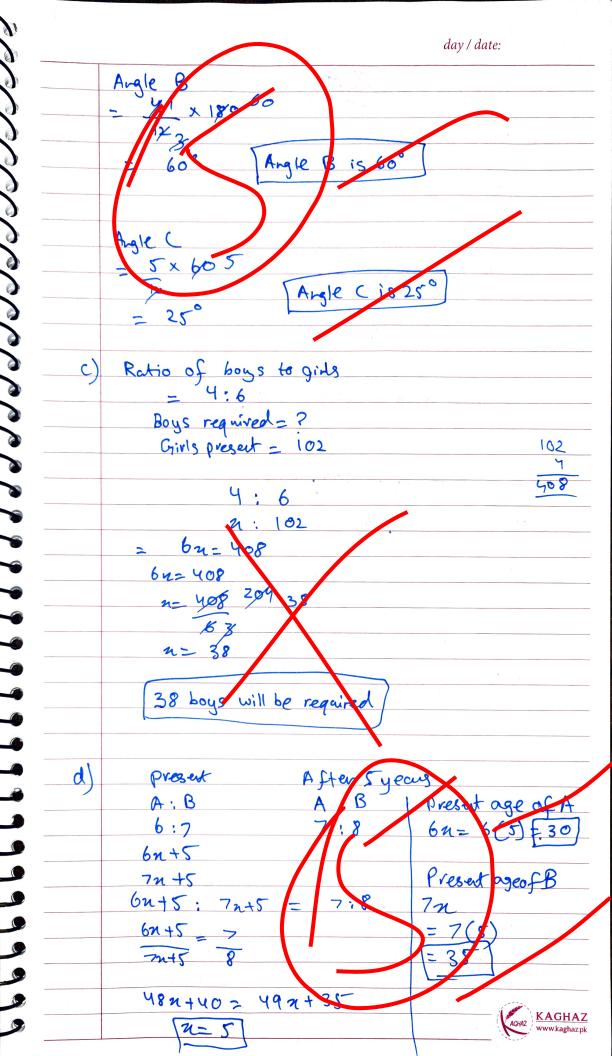
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day / date: energy nucley 0-+ heavy 0 nucleur Nuclear Fusion -> lonic Bond in Table Salt Table salt, contrains one atom of Sodium (Na) and one chlowine atom (1). These atoms form an ionic bond in which a negatively changed chlowide ion bonds with a positively charged sodium ion to complete each valence shell of the atom. Q.6 (anditate: ABC a A- 15000 В 10000 000 33000 Total otpercentage of votes of winning condidate. 000 33-000 5 18 XIO **3**3 45.4% 500 1 11 Ratios of angles 3:4:5 Ь) 7 sum of all angles = 180° Angle A= 31 × 180 Angle A = 45 129 45 180 KAGHAZ www.kaghaz.pk 4

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day / date: Q.P a) First odd number x, n+2, n+4 21 + (2+2) + (2+4) 273 10 3n+6=273 T 3n= 26 89 Q. n= 2/7 8 2= Three add numbers 80 b) i) 4, 16, 36, 64, 100, 144 ii) 30, 29, 27, 20, 15 ii) 1,7,15,25,37,51 4 iv) 0, 2, 6, 12, 20, 30, 42 v) 48, 24, 72, 35, 108, 54 Shirt <) i) Danger ii) iii) Stomach iv) London v) Holiday d) Sara's mother 6 times older than Sana 6n Ali twice as old as Sana Age of Sara = 72 Sara yeans In 3yeary time Aliz 14 Sama's Non Y2 years (n+3) + (2n+3) + (6x+3) = 72 9n + 9 = 72AGHA2 n= 7