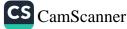
11 . I I 11 I.I.
Kashaf Khalil Batch-50
Good General knowledge - I Keep length equal for all answers
Draw diagrams
Paper presentation is fine Good for math work Write complete logic and steps in math portion
Write complete logic and steps in math portion
Question no: 04
•
a) Compare goals of COP-26 and COP-27 of 2021 and 2022 on Climate Change.
of 2021 and 2022 on Climate Change.
⇒ Conference of the Parties (COP):
⇒ Conference of the Parties (COP): → The United Nations Climate Change Conferences are yearly conferences which held under the provesions of United Nations Framework Conversion on Climate Change (UNECCC)
are yearly conferences which held under
the provesions of United Nations Framework
Converticion for cumitate change (converse).
-> The 1 st COP meeting was held in Berlin, Germany in 1995.
\Rightarrow COP - 26
-> Glaugou Climite Change Conference, held in
→ Glaugow Climate Change Conference, held in Glasgow, United Kingdom J. great Britain. → October - November 2021.
→ October - November 2021. → All signatory parties joined the conference
To make proméses about climate change.
\Rightarrow Goals of COP-26:
1) Secure, Calopal - net zero by mid-century
· Countries are being asked to attach Global
· Countries are being asked to attain Global net zero that means "any emissions are
·



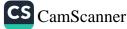
rasiab Rhalel balanced i by absorbing an equivalent amount from the atmosphere. 2) keep 1.5 degrés within reach · By 2030, all countries are sequired to keep temperature rise of 15°C per year withen reach, that not rise would happe happen above this temperature limit. 3) Adapt to project natural habitats · Due to climate change natural habitats were destroyed, so all countries are is in asked to balance out this destruction by Nº MAN protecting the remaining natural basitals and restoring the destroyed mes Mobilize finance
Developed countries must mobilize finance for under developed and developing countries for the attainment of these goals. • At least 100 bn \$ in Climate finance per year by developed countries => COP 27 -> Sharm -el - Sheikh Climate change Conference, held in Sharm-el-Sheikh, Egype. -> Conference was held in November, 2022. -> Mafor proveston on the clemate change were made. => Goals of Cor27: 1) Miligation · All countries especially those which are at high risk were usged to take emmedsate actions and to limit globat warming well below 2°C.

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2) Adaptation. · Ensure that COP-27 made crucial steps towards enhancing climate change destructions and assist the world's vulnerable countries and regions. 3) Finance · Developed countries mobilize finance, including the delivery of the promised 100 bn \$ in climate finance. 4) Collaboration · Reversion of climate change effects can only be achieved with active and inclusive panlicipation q all Stake-holders. Describe some methods of Solid - waste 6) management. ⇒ Solid waste management: -> The Complete process of collecting, treating and desposing of solid wastes. -> Solid waster sources are solid waste from horres, Industrier solid wate, agricultural solid waste, medical waste and mostly the construction waste. Methods of Solid - waste management: of Solid waste : 1) Ircineration tis only suitable for combustible > This method waste mate cals All worke is subjected to burning in defferent steps following each other.



 → Leaks are gien caused by oil drilling operations in the ocean or ships that transport oil.
→ Oil makes layer over water and blocks the sunlight which eventually results in the loss of Ongen from water body. 3) Agricultural runoffs -> Mith the advancement of fertilizers, natural fertilizers are of no use from now: -> But these fertilizers can compromese the soll's natural qualities as well as fertilizers run of can damage the chemical properties of water of Water. - When these chemicals mix with running nater, the marine life's health is disturbed causing breathing diseases. 4) Radio active wasles: → Radio active waste from nuclear seactors contain high quantity of manium which to is highly toxic and can harm the aquatic fanna and flora. 5) Domestic waste: → Garbage from houses en addition with detergents and chemicals used for dishwashings constitute major for water pollution. → These chemicals contain phosphorus and sulphates which harm the aquatic life and compromise the water quality.



2

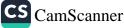
· Method: -> Prémary Chamber- designed to achieve dryed and complete combustion refuse. -> Secondary Chamber - All burnt and semi-burnt material are completely burnt here. 2) Composting: -> This method is very much similar to land filling. -> In this method decomposable organic maller is separated maller from inorganic high temperature and subjected to bacteria for decomposition. A very good soil is achieved as a plants, works result which is used for a ferlilizer. 3) Salvazing: -> In this method, matereals like paper, plastics, metal, glass, rags can be salvaged, recycled and reused 4) Sanitary landfilling of solid wastes: simple and cheap method. \rightarrow It is a -> A deep trench is encavated and filled with solid waste, in layers. compacted with some mechanical -> Layers are with soil again ezuipment covered and of line, decomposition with the passage occurs and the waste turns into soil.



2 : 5) Pysolysis of solid waste: -> Thermal degradation of the waste in the total absence of air that produces recycleable products, including oil, wax and combustible gas. -> Pysotysis_of Biomass results in Bio-gas. What are some common causes of c) water pollution? ⇒ Water pollution: -> Contamination of water bottes, naturally man-made, affecting the quality water results in the bad health of lumans and marine life -> Causes of water pollution: 1) Industrial waste : → Waste which dispose of into water bodies from Industries are mainly toxic chemicals, hazardous metals and inorganic waste like plastice which degrade the quality of water. Industrial waste add chemicals and rise the temperature of water which cause Algal to grow and life of fishes were bloom compro nuised. 2) Oil leaks and spills -> Large oil spills oil leaks, while often accidental, are major cause of water pollution.



Explain covalent bond in water molecule and its angular structure; d) 5 0 -5 H-87 \$ H 8 05 Polar covalent bond. hydrogen bond Wales is a polar molecule because oxygen and have different electronezatively "values parti hydro gen while oxygen posifive (H^{\dagger}) megaline aton (02). onlia . 21' Hend Hee 1111 213.24 Caralent bond in water (H2O) molearle: Covalent bond is formed by sharing of electrons atoms. between pairs > In Covalento bondo of water forming nolecules haped structure an electron from onggen atom shared and hydrogeni atom accepts is may wall but *ĉ*t this shoring thus and formed covalent bond > Between each H20 molecule hydrogen bonds are present which hold more than one H20 molecule and thus for ning a big water molecules community. H Govalent bond Ħ • H *Ô*--Oxt 20 XX



→ Angulai Structure: → Water: (1420) has a bent angular geometry because oxygen has two lone pairs of electrons after forming covalent bond with hydrogen. → This cause hydrogen (a partial positive atom) to bent about at a 105° angle. (Section - B) Question no: 7 a) Average of 7 consequilive numbers is 20. Find the largest of these numbers. -> Average of 7 consecutive numbers = 20 con secutive numbers would be -> The 20, 21, 22, 23 17, 18, 19, 11+19+19+20+21+22+23 140 20 -> hence, the largest number of this series 123 es



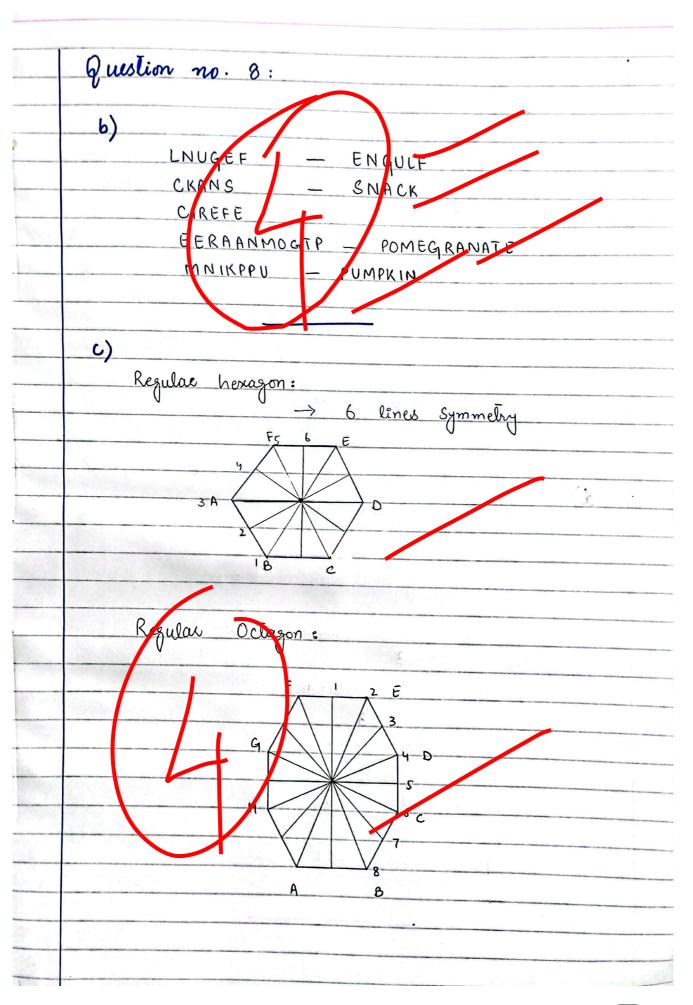
3 b) A told B that C is his father's nephew. D is A's cousion but not the brother of C. What relationship is there between D and C. -> C es A'sfather's nephew so C is cousin of A. D is also cousin of A. Relationship between D and C = ? A' Father -As' Failher's Sister Siblings [D-C] Relationship between D and C = Sister c) Find the next number in the sequence; 1, 12, 19, 28, 39, 28,39 52 , 12 , 19 +9 -1 + 11 + 13 1+5 = 1212 + 7 = 191 = 28 28 + 11 = 3939 + 13 = 52 12,19,28,39, 52

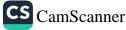


is) is total & that is been indicate an (iber. Sum of money es to be distributed among A, B, C, D in the proportion q: 5:2:4:3 -> If C gets RS. 1000 more than D, what is B's Share Let the shores of A, B, C, D be: 4x, Rs. 3x $\frac{Rs. 5x}{V}$, $\frac{Rs. 2x}{V}$, $\frac{Rs}{V}$ Définition de la d 4x - 3x = 1000 $|000| = \pi$ share: 1.2 د' B = Rs. 2 N 5 351(51) Mal = Rs. 2 (1000) B - Ks. 2000

ĉ.







lines of Symmetry in a Circle: A cercle has enfinite number of lines in symmetry. since any line passing through centrer is a symmetrical line. d) egyplian pyramid = th = 230.6 m 146.6 m ler base that pyramid = Volume ∴ a = base length ∴ h = height V = 3 (230.6)² (146.6) 55176 x 146.6 3 7795654 2598551 cm³ V =

