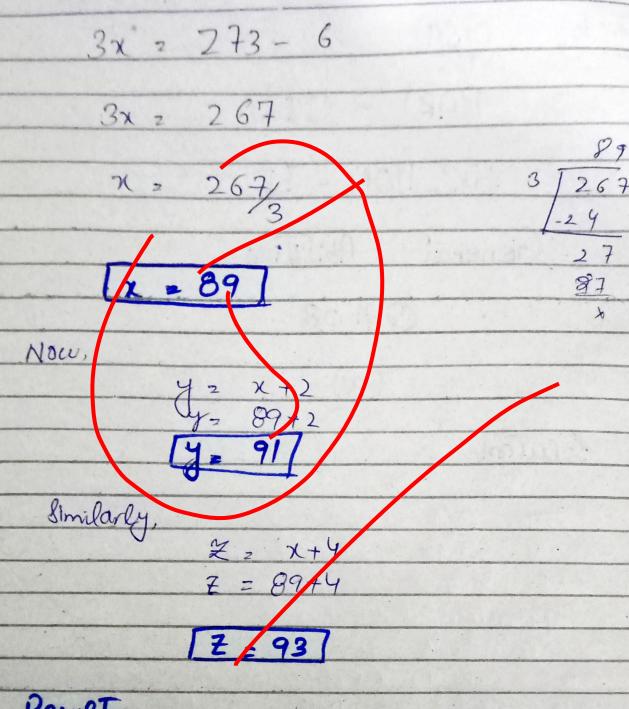
Hamza Abbasi ck GSA -NOA - 129 Increase length of PART - (II ) theory portion Keep length equal for all answers SECTION - II Good for math work General Abilities Q#08 (a) let the three numbers be Solution: Now. The som of three number is 278 x + (x+2) + (x+4) = 273 32+6 = 273



Result:

Hence, the three consensive odd numbers are 89, 91 and 93.

9(8) (b)

, 144 i) 4, 16, 36, 64, -The above series is the square of consecutive even numbers starting from 2.

. It could be written as

(2), (4), (6), (8), (x), (12)2

X 2 10

x2 2 100

missing number is 100

ii) 30, 29, 27, x, 20, 15.

let the missing number be x,

30 - 29 = 1

29 - 27 = 2

27 - x =

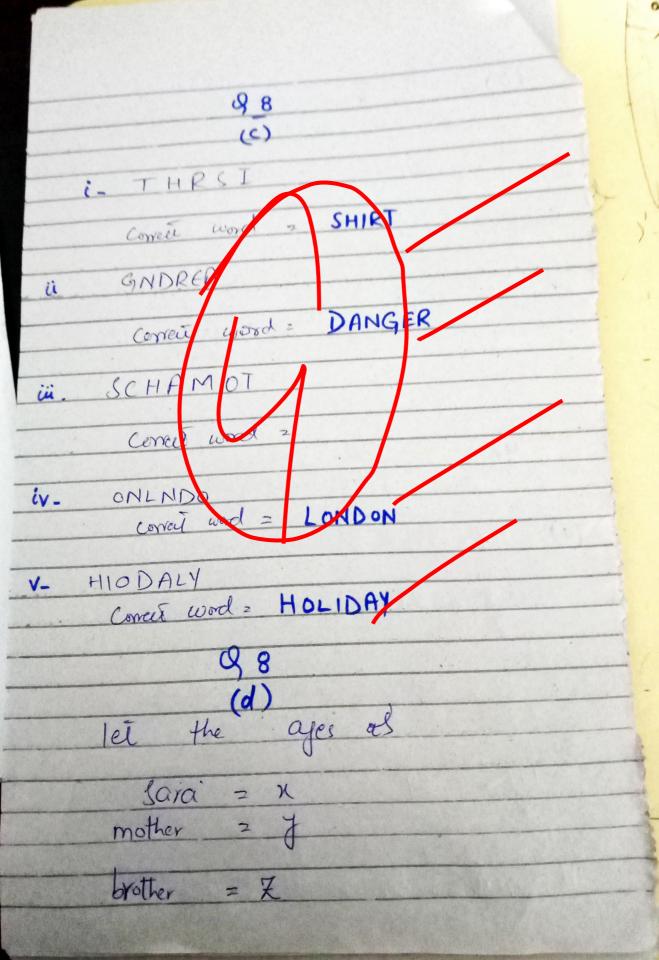
The above seles 16 0 hence, the morning number he 24, as of satisfic 80, 29, 27, 24, 20, 15 W) 177, 15, 25, 2, 61 let missigf number = x 1+6 = 7 7 + 8 = 15 15+ 10 = 25 26+ x = 59 ?+4. . 51 The sories consecutively takes even numbers in the addition approximates so, next even number is 12, therefore, 25 + 12 = 3737+14 = 51 so, miny number

(iv) 0, 2, 6, 12, 0+2 2 -2. 6+6 12 32 12 + 8 -20 20 + 10 30 30 + 12 the series (v) 72, 36, 108 48, 24 24 3 24 x 3.72 36 36 x 3 = 108

The next number in the series is 54

54

108 2



According to the given condition 6x = y - eg(i) 2x = 7 - eq(1) 3(x+y+z) = 72 X+ y+2 = 72 24 2ty+2 = 24 - eg/ Puttoy values of y, z n eq (20) x + 6x + 2x = 24 9x - 34 x = 24 - 8 9 - 3 x = 8the best of Puty m ex 0 3 0 <sup>2</sup>6(8) <sup>2</sup> <sup>3</sup> y = 16

Aci's afe Given: Let the candidates, B and C. As given, votes received by them are 2 15000 B = 10000 C = 8000 To find auti percentage of total votes of winning candidate. Solution Apparaently. A has won with onlinen vote bank.

Now, Total constituency votes in the B + C 15000 + 10000 Total V 2 Winner 15000 x 100 00 23000 45.45 33 1500 132 180 45.45% 150 winning Hence, candidate 132 45.45%. Fotal won 180 the votes

96 (6) let the angle, be a, b, c provided in the statement, a : b : c = 3:4:5 oul: a = ? To find 6= ? C 27 Solution
As we know that,
com of three angles of
Triangle is 180° so a + 6 + c = .180 adding the ratios, we get. 3+4+5= (12). a = 3 = 1, b = 4 = 1, c = 5 12 = 4, 12 = 3

Now, angle a = 1 x 180° = 145° = a]

5 X 180° Verification 2 180° 45° + 60' + 75° 2 180° 105° + 75° 2 180° 180° 2 180° LHS 2 RHS Resulti.

Hence the angles of the triangle are, 45°, 60°, 75° respectively. 96 Each group consylls of 4 boys and 6 girls

Total number of girls = 102 could be formed out groups that girls 102 reds Mark each group = 4 Number Total boys required = 4x17 68 Q 6 (d) 6:7 : 5+B = <del>7</del> 8

A = 6B = 7

$$A = 6B = 7$$
 $A = 6B = 7$ 
 $A = 7$ 

A 2 63 Result. the ages of A and B and 35 respectively. 10 36 are

PART-II

SECTION - I

General Sciences

Question No. 2

(a)

Volcanes are the eruptions of how molten lava through the earth's crust. These could be acine and the depending upon the type of lavo present in them.

According to United Nations Framework (Convention) on Climate Charge (UNFACC) volcanic eruptions are and the causes of air pollutions, convibuting to lead (PL) and duplier (X) funes in the air alog official gave.

contains temperature as high as 6000°C. Over the course of years this larg gets within earths surface; but does not emple movement of tectoric plates inside
the earth causes disturbance of molten passing seismic waves through it. As the waves repeatedly pass of through it, the lave gains enough energy to erupt. Illustration: Seismit waves > volcano rady CORE (GOO'C

unierse Singularit ener gaine ullimately radiations. dense

Crumch ? theory By Grant the end According to the of the come of expanding, there when the universe will be extinct the correct in terms of interpret concept on terms black holy and their ability of extreme granity, that Li Jama escape. Uttimately I to movere worked by a black hale maning I the and universe . is astronomical contemporary

(3

scientific endene. the : universe is 13 billion illustration - Extreme weather conditions Ryllion The word wivene

Sources: () Hydel - Power: from water at Privers or o ts known hydel-power. Usually, the engryy lowing water. We tirhine flowing generate electricity 3 Sometimes, the potential water stored m by utilized to electricity. Solar Energy: Energy from the sun converted into electricity employment of hoto-voltaic celle" or Sheets? In rays hif the screen

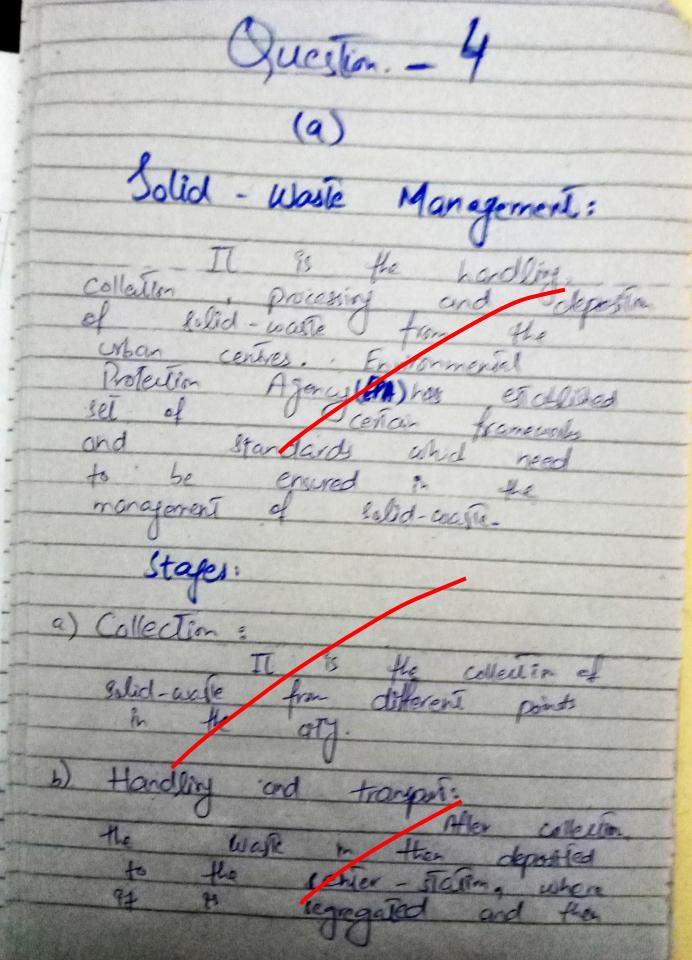
Photo voltare cells and generale eleitricity This energy be clean and done
not public the environment. Pak
generales 45 mw for solar energy for solor energy SUN Parel (2) cels and & Tujed tothines that in generate electricity emplayed at coastal speed of and retalivel Pakista has a sooken coasial and has a huje yet moveled potential et yet remaile chergy.

Geo Thermal , jr . . . The cartie carten matter yara This high temperatures. temporative has a Perfordent of energy could be used from enally installed at places contail relatively high amount of heat on vock-beds. Geo-thermel Plan Torshus cold Water hedy Steam

Bio-man generale to Holomen plants though the decomposite of agante V waste. The decomposition aus It gle absence of ar , to on air tight container, usually burnied linside earth. Organic plants, animals and dead animals could be used as the raw material The decomposition generates methane which then be used for producting heat- The method is I'm various outskirt in Perips, Pakitan. libers: optical the principle

A Wares Á dale cook. the internal relletion two Dert that core dadding Cone and density and herce, refragne Inden. Claddon fer density and high b hes Owhen the light reproduce enderrays style the core-cladding reflated at Obserdany, totally internally largles cilial Critical Es the angle Vinternally -Which Righ 93 replacted

Phenomenon of critical angle: critical caple savce At the critical argle, light is not refraised, instead it reflected at the core-dadding boundary, after this cryle, total internal reflection occurs.



made ready for transportation guan. c) Treatment: in Hen transported the treatment various methods stations whome treatment of ware 9/4 environmental minimize Methods of treatment. incineration: Incheration & the burning of waste in spewalized The wante is to cushes and converted ines are present finally releasing into before almaghere to atmosphe formes treilne nancator ash-contene yout Heat

2. Leaching leaching is soliduane 1 treatment , when the waste in lumped indergrand large period of time before congressing of the walls of the leaching Container contains Specialized take for the take out leadates. Soil + mud leadeste 1 take out Cemuled walls Compressed to Prevent blocks of fall out in layered the soll J. woste. tee way want menenge

(0) It not only adds to the pollution but also deprede, log tem emposure of wayle The technique & disease development de campaigns ple being held regularly index of the boanner of Profession Profession

Regional Environmental Profession

Agencies" 94 Blood - Circulation Bload civalation in hunch
body is also known as
"Double circulation." The
term double circulation itself
suggests the function of the
book. In other words, The heart, Rupplies general Good to take back de-oxygenated blood from the Goly-

hear. In the ch amben digran Mustrolles finitions. the homan board. 3 of over jest palmony let vasione though pumps

(0) (C) Myopia Hyperopis Mypia Which font object not Polbing. relino forwsed represent robmaje corrected Concern myopis low

is a thy Per apia cordillon when the image the retire. torned behind the Corrected Convex Hyperopis lens Part Retina 13 Sclera Aguour himou Ege lens vitions Comes opth nome

Microware Places Los mrediate Ultravioles · bleed · used for graphics various used