Cruptography & Network Survity

Arush Saddura DTV 12KIGMC/13

191) P= give Handover the stylease to Folh. 10 hums = 6 ky = [35 16 24]

> HANDOV ERTHEB RIEFCA JETO JO HN

Danspoons using the key

NO E E R O N N T E T J H

C=NTETDECTHERSHVBAOARIENDHFO

021 850 Kas

DE RONDE WONDE WONDE

RITISTA

BGINF ACKLP

OV XYZ

P= ATTPU WEEKHTORN

6

9(29) = p-1 = 28

a 51

(26+3) his keen slize

(1) Couses Gipus hich Gipher Adine Gipus Play Jair Autokes Viguese Upher Goly Pays Pays Polyapholenic Polyapholenic

Q7 MJQ done or google from

08) 256 plaintent ciphoskent gains required toposform net in the middle attack and some with probability 1-2-16 21 (vlay high probability)

addition under Zn from a group and additions are equivalent to a single addition of.

Ex(P)= (P+a) mod 26 and E2(P)= (P+b) mod 26 and 2 different on wyption ciphors.

E(E,(p)) - ((p+a)+b)mod26

This is equipment to (p+(a+5)) mound

Monre touse. 2 seperate en ongetions can be turner.

E3(1) = [p+ (ars)] mod 26

hence is outled selverity

29) Book force for DES = 2⁵⁵ per second : 2³⁰

2⁵⁵ a 2¹⁵ Se combs = 32768 Seconds

Q10) $110[0] = (1)_2(0[0])_2 = (3)_{10}(5)_{10} = (9)_{10} = (00100)_2$

Q11) Expension D-Box

characteristic of the language. In own language that all dayouters of the language in own language and some characters offered with histor frequency. In single liter frequency outside we present the foreguency of each liter and rompose it with actual brequencies of letter in that language e. 8. E.T. A. O orms the most frequency is English language 150

rend likely that it introposate to use E.

Freguesing which are used against immorthmetre

substitution

R13. [Al = 169, has no material main? in redde