b gp=17 gp=5

Alice Secret key a=4 Bob secret by=6 Public key of alice = 9° mod 12

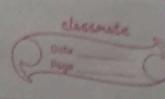
(d) = 5° mod 12 Public heer of Bob 2 95 mod P

(B) = 5 mod 17 Secret key afterined by alice = lublic ky of bob mod P Secret key obstained by bob = lublic key of dice mod?

= 136 mod 17 Ans 15 a. 16/

Question (4) DATE / / anayston: string = " Aaron Merdonca" Keyword = " HEllo" des generate key (string, key).

Rey = list (key) if len (Anin) = len (kg). por i in range ((len (String) - Len (kg)): return (" " join (key)) des endypt_ eigher (string- ky): appen-text = £3 por i in range (len(string)): oc = (lord (string [i])+ ord (kg[i]%26) tod (A return (" ". join (ciphentent)) Cipher text = enelypt cipher (string, key) Print (" Plain feet ", string) plint ("Key word:" key word)
plint ("Gipher", upher test).



String = "GEEKSFORGEEKS" keyword = "AYUSH" let generate key (string, key): Key = list (key) if (an (string) = = lan (key): return (kay) else: for in range (len (string) - len (key): (key (i ! len(key))) return ("". join (kap)) = oxginal superior (string, kay): ong tent=[] for i in range (lan (ciphertent)): n: (cord Criphentent[i]) - ord (key [i]) +26/-1. 26 V+= ord('A') veturn ("". join (orig tent) Kay- generatekey (Sting, Keyword) print ("Original tent:", original tent (string, kuy)