All the state of the

$$M = P2 = 13 \times 17 = 91$$

 $e = 35$

$$\phi(n) = (p-1)(q-1) = 12x6 = 72$$

for d=35 conditions (1) is true

so private key is 35.

Q2. I and I

I for this

Encrypted test = (plain test) mod n

Plain test = (Encrypted text) d mod n

(d*e) mod (a(n)) == 1 Smilar to Cd= 1 mod (n) Q_3 given q = 7

Smallest primitive Most 2=3

Pervals key A = 2 = XA

Rivate key B = 5 5 × XB

YASaXA morda = 32 mod 7 52 YBSaXB morda = 35 mod 7 55

Sceret Reys:
EAB = YBA mid q = 5' mod 7 = 24

LAB = YBB mod q = 25 mod 7 = 34

- Value of common sechet vale = 4

94. given q = 17 a = 5 a = 5 a = 6