

expected frequencies ( Given  $e^{-1} = 0.368$  )

X:	0	1	2	3	4
F:	37	36	19	6	2

OR

- Q. 4(a) For binomial variate given  $n = 10$  and  $P(x = 5) = 2P(x = 4)$ , then find value of 'p' 7
- (b) In a normal distribution 31 % observations are less than 45 and 8 % observations are more than 64. Find its mean and standard deviation 8

\*\*\*\*\*~~X~~\*\*\*\*\*

(3)