

(2)

(c) Comment on the following :

For a Poisson distribution mean = 6
and variance = 7.

(d) The error associated with accepting a hypothesis when it is false is known as

(i) type I error

(ii) type II error

(iii) type III error

(iv) None of the above

(Choose the correct answer)

(e) Coefficient of correlation between $-x$ and $-y$ is ____.

(i) positive

(ii) negative

(Choose the correct answer)

(f) The value of $b_{xy} \times b_{yx}$ is equal to(i) r (ii) r^2 (iii) \sqrt{r}

(iv) None of the above

(Choose the correct answer)

(3)

(g) The factor reversal test is satisfied, if

$$P_{01} \times Q_{01} = \frac{\sum p_1 q_1}{\sum p_1 q_0}$$

(Write True or False)

(h) In case of normal distribution, the coefficient of skewness is ____.

(Fill in the blank)

2. Write short notes on any *four* of the following : 4×4=16

(a) Standard deviation

(b) Binomial distribution

(c) Random sampling

(d) Probable error

(e) Use of index number for deflating time series

3. (a) Find the average wage of a labourer from the following table : 11

Wages (in ₹)	No. of labourers	Wages (in ₹)	No. of labourers
Above 0	650	Above 40	300
" 10	500	" 50	275
" 20	425	" 60	250
" 30	375	" 70	100