

Bs/STPT-301 (AK)

2 0 1 6

(3rd Semester)

STATISTICS

Paper No. : STPT-301 (Theory)

(**Estimation and Testing of Hypothesis**)

KEY ANSWERS FOR OBJECTIVES

SECTION—I

(Marks : 15)

1. Write whether the following statements are *True (T)*
or *False (F)* in the brackets provided : $1 \times 5 = 5$

(a) F

(b) T

(c) T

(d) F

(e) T

2. Fill in the blanks :

1×5=5

(a) $E(T_n) = \gamma(\theta)$

(b) one-tailed

(c) $P(X = h) = h(k; N, M, n) = \frac{\binom{M}{k} \binom{N-m}{n-k}}{\binom{N}{n}}$

where $k = 0, 1, 2, \dots, \min(n, \mu)$
 $= 0$; otherwise

(d) $\frac{a+b}{2}$

(e) normal

3. Put a Tick (✓) mark against the correct answer in the brackets provided :

1×5=5

(a) (ii) most efficient estimator

(b) (iii) $\sqrt{PQ/x}$

(c) (i) 0

(d) (iii) $-\infty$ to ∞

(e) (ii) positively skewed
