

Sec-1

Ques: Define reliability and factor affecting it.

Ans: Reliability defined as the probability that a product, piece of equipment or system will perform its intended function for a stated period of time under specified operating condition.

Factors affecting reliability are:

(i) Intrinsic factor:

- (a) Length of the test.
- (b) Homogeneity of items.
- (c) Difficulty value of items.
- (d) Test instructions.
- (e) Item Selection

(ii) Extrinsic Factor

- (a) Group Variability
- (b) Guessing and chance errors
- (c) Environmental Conditions
- (d) Momentary fluctuations.