Section IV

1)

Hypothesis testing is nothing but a statistical test used to check whether the hypothesis that we made (or) assume for the sample of data remains true for the entire population (or) not.

The types are

1.Multiple hypothesis testing.

2.Bayesian hypothesis testing.

2) Correlation is the process of establishing relationship between two or more things.

Methods for computing the correlation is:

1.Scatter diagram method

2.Karl pearsons’s coefficient of correlation

3.Spearman’s rank correlation coefficient

One of the application of correlation in medical field is “Baby cry analysis using correlation method “.

P-value represent the probability of occurrence of a given event.

3)

a) Sample mean = 48.74 gm