**Set + 3 statistics**

**Answer no – 1 =**  option no – 1 is false the sample size of the survey depends upon the several factor including level of precision desired, the variability of the population and the confidence desired.

Option no – 2 is false the sampling frame is the list of all the items in the population from which sample is be drawn it does not include those who did not respond .

Option -3 the accuracy of a survey depends on the several factor , including the sampling method , sample size , level of precision desired.

**Answer no – 2 =** the population of all reader of all pc magazine who were eligible to participate in the survey.

Point – B = the parameter of interest is the population mean rating (7.5) assigned all readers.

Point – C = the sampling frame of all readers of pc magazine who were eligible to participate in the survey

Point – D = the sample size of all readers are 225 who rated the kodak compact digital camera.

Point – E = the sample design , the sample select from random sampling technique.

Point – F = one potential source of bias , there may be selection bias if reader who were dissatisfied with kodak compact digital camera were less likely to participate .

**Answer = 3 =**

Point no -1 = True.(confidence interval identifies the collection of values for the population which is consistent with the observed sample)

Point no – 2 = False(cannot say that with absolute certainty with this information)

Point no – 3 = False , confidence interval dependent upon many factor .

**Answer no = 4**

Option - A

**Answer no = 5**

**point(1) = Yes , if the sample were based on 2000 users, could Microsoft conclude that mozilla has a less than 5% share of the market.**

**Point(2) = Yes, Web side story claim that its sample include all the daily internet users. If that the case , then can Microsoft conclude that mozila has a less than 5% share of the market.**

**Answer no – 6 =**

Point C is the correct option

**Answer no – 7** = the z- interval is shorter, then the 95% z- interval for mean will be shorter than the 95% t-interval for the mean.



