Why one should not go for sampling?

It is less costly to administer than a census

The person authorising the study is comfortable with the sample.

Because the research process is sometimes destructive

None of the above

1 point

Stratified random sampling is a method of selecting a sample in which

the sample is first divided into strata

various strata are selected from the sample

The population is first divided into strata, and then random samples are drawn from each stratum

None of the above

1 point

If the true proportion of customers who are below 20 years is P=0.35, what is the probability that a sample size of 100 yields a sample proportion between 0.3 to 0.4

0.961

0.827

0.706

0.53

1 point

Calculate the probability of getting 12 heads in 20 attempts from a fair coin.

0.120

0.240

0.280

0.301

1 point

A question paper contains 90 multiple-choice questions. Each correct answer carries 1 mark. There are 4 alternative answers (A, B, C or D), of which only one is correct. Mr X answers these questions randomly (i.e. without preparation). What is the probability that X gets at least 10 marks?

0.9997

0.7894

0

0.001

1 point

On average, 5 % of items supplied by manufacturer X are defective. If a batch of 10 items is inspected: what is the probability that 2 items are defective

0.065

0.075

0.085

0.095

1 point

A car distributor in City Y experiences an average of 2.5 car sales daily. Find the probability that on a randomly selected day, they will sell 5 car:

0.0668

0.544

0.082

0.205

1 point

In question 7, Find the probability that on a randomly selected day, they will sell no cars::

0.0668

0.544

0.082

0.205

1 point

In question 7, Find the probability that on a randomly selected day, they will sell at most 2 cars:

0.0668

0.544

0.082

0.205

1 point

In question 7, Find the probability that on a randomly selected day, they will sell exactly one car:

0.0668

0.544

0.082

0.205