

# Samplin

## Question 9

In drawing a cluster sample, it may turn out to be a challenge if pertinent issues or limitations associated with the sampling techniques are addressed. In this case, it is appropriate that the population of identified is divided into different subgroups for the purpose of pulling large populations into manageable groups, which can be used in extracting the appropriate sample for the study. Given that the number of sample required is known and the number of created subgroups is also known, it will be easy in coming up with the appropriate cluster sample that is supposed to be used in conducting the study for the CityBus project. The targeted cluster sample size will be divided by the number of subgroups for the purpose of determining the number of sample will be extracted from each subgroup. This can be effective with the use of a multistage or single-stage design so that the level of bias in the cluster sample will be reduced.

## Question 10

- a. Simple random: The age, educational qualification, number of position, and additional qualities of the sample population. This will set a foundation of understanding the most appropriate team that should be selected.
- b. Systematic: The level of skills and knowledge that each member in the sample has achieved. This will provide a better understanding of the team to be selected from the sample.
- c. Stratified: Difference in the level of experience that the identified sample has for the purpose of coming with the appropriate team.
- d. Cluster: The size of population or the number of employees that are required in meeting the highlighted needs of the employer.
- e. Double: The contributions made by each members of the sample and implications in the area of concern

## References

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