

# University of Djilali Bounaama Khemis Miliana

Dep :Human & Social Sciences Stream :Counselling& Guidance

Level : 3 rd year

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## LESSON SIX :Populations and samples

### SECTION : TEST YOURSELF

#### SECTION A — Multiple-choice questions

Choose the response that is **correct** or that **best answers** the question.

**1.** Which is *not* a feature of random sampling?

- (a) Obtain a complete list of the target population.
- (b) Identify sub-groups/strata within the population.
- (c) Assign all the names on the list a number.
- (d) Generate a sample using a lottery method.

**2.** Choosing every 4th house on a street is an example of:

- (a) Opportunity sampling.
- (b) Volunteer sampling.
- (c) Systematic sampling.
- (d) Stratified sampling.

**3.** Which is most likely to produce a representative sample?

- (a) Opportunity sampling.
- (b) Volunteer sampling.
- (c) Systematic sampling.
- (d) Stratified sampling.

**4.** Standing in a busy shopping centre and picking people ‘at random’ to be part of the sample is:

- (a) Opportunity sampling.
- (b) Volunteer sampling.
- (c) Systematic sampling.
- (d) Stratified sampling.

Questions	1	2	3	4
Answers				

**SECTION B :**

Answer **all** questions in the spaces provided

1.Explain the difference between a sample and the sampling technique.

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2. Explain the difference between a target population and a sample.

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3. Explain what is meant by *generalisation*

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4.Distinguish between random sampling and random allocation.

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5. Identify the sampling method in each of the studies below.

**a.** A researcher wishes to study memory in children aged between 5 and 11. He contacts the headmaster of his local primary school and arranges to test the children in the school. [.....]

**b.** A study on sleep habits identifies various subgroups in the target population and then randomly selects members from each subgroup. [.....]

**c.** A university department conducts a study of mobile phone use in adolescents, using a questionnaire. The questionnaire is given to a group of students in a local comprehensive school. The sample is selected by placing all the students' names in a container and drawing out 50 names. [.....]

**d.** A class of psychology students conducts a study on memory. They put up a notice in the sixthform common room asking for participants who have an hour to spare. [.....]

**e.** A researcher wants to interview teenagers about the appeal of the latest boy band. After interviewing one teenager, the psychologist asks the teenager to contact other teenagers that they know are fans and ask them to be interviewed. [.....]