



**Research Methodology and Programs
Level (4) - (ARC4126)
Final Exam - First Semester - 2020/2021**

Part (1) The Theoretical Background a.1, c.2

Question (1) Complete the sentences (12 grades)

- 1-1 The definition of term "scientific research" is ... (2)
1-2 The Types of research from "mode of enquiry" perspective are ..., ..., ... (3)
1-3 The ... provides a theoretical background for the research study. (1)
1-4 Most research in the humanities revolves around four Ps as a "sources of research problems", which are ..., ..., ..., ... (2)
1-5 ... is the main difference between a concept and a variable. (1)
1-6 Advantages of the interview is ... and of a questionnaire is ... (2)
1-7 ... are given in closed questions but are not given in open-ended questions. (1)

Question (2): chose if these sentences True or False and Correct the False one (8)

- 2-1 The Research Process is essentially a data collection process.
2-2 Pure research and applied research is the two types of scientific research from the objectives of the study.
2-3 The theoretical framework describes the aspects you selected from the theoretical framework to become the basis of your enquiry.
2-4 The deductive approach is aimed and testing theory, it is concerned with the generation of new theory emerging from the data.
2-5 Primary sources provide first-hand information and Secondary sources provide second-hand data.

***Part (2) Analytical Case Study b.8, b.12, c.2 (10 grades)**

Question (3): answer the following (10 grades)

- 3-1 If the aim of the research is "**identifying the pattern of city urban growth in delta region**", Determine the research problem and analyze the causes and the effects of this problem at one example of delta cities? (3)
3-2 If the research question is about "**how to activate the upgrading projects for the deteriorated historical core of cities?**", Suggest a research title related to the main issue and objective. (2)
3-3 If the research methodology requires an "**investigation for the student's opinion about thermal comfort on computer lap**", What is the best choice of data collection methods and why? (2)
3-4 if the title of the research is "**the importance of interactive urban open spaces in high density cities**", Propose a case study and determine the reasons for selection. (3)

***Part (3) Practical Project a.10, c.7 (5 grades)**

Question (4): most villages in the delta region suffer from the lack of many services, if the city council decide to build a social services center in each village to play a role in local community development, answer the following:

- 4-1 Propose the project program and specify building components "internal and external spaces". (3)
4-2 What are the benefits of implementing this project for every social group and for every development aspect? (2)

**Good Luck
Dr. Heba Soliman**