



Republic of Rwanda
City of Kigali



GASABO DISTRICT

**END OF TERM II GASABO DISTRICT COMPREHENSIVE
ASSESSMENT 2022-2023**

Exam Title: SWDPR301 ANALYZE PROJECT REQUIREMENTS

SECTOR: ICT

RTQF LEVEL: 3

TRADE: Software Development

DATE: On /3/2023

MARKS:

/100

DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES:

This Exam paper is composed of Three Sections (A, B, C). Follow the instructions given below, and answer the indicated questions for a total of 100 marks

Section **A**: Eleven (11) questions, all are **Compulsory** **55 marks**

Section **B**: Five (5) questions, attempt any (3) questions **30 marks**

Section **C**: Among the two (2) questions, attempt any one (1) **15 marks**

SECTION A: Attempt All questions**(55marks)**

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- 01.** What are some challenges that arise when gathering data for a project? How can these challenges be addressed? **(5marks)**
- 02.** What is the difference between data and information? How do you distinguish between the two (data and information) when gathering data for a project? **(5marks)**
- 03.** What are some methods for gathering data? How do you determine which method to use for a given project? **(5marks)**
- 04.** Define the following terms: **(5marks)**
- | | |
|-----------------------|--------------------|
| a) Project | d) Resources |
| b) Feedback | e) Target audience |
| c) Data Visualization | |
- 05.** What are some common communication challenges and how can they be overcome? **(5marks)**
- 06.** Briefly, what is feedback and why is it important in the work communication process? What are some effective strategies for providing and receiving feedback? **(5marks)**
- 07.** What are some benefits of data visualization? What are some potential challenges when creating data visualizations? **(5marks)**
- 08.** What are some methods for predicting customer needs? How can you use these methods to anticipate the needs of the customer during a project? **(5marks)**
- 09.** How can data visualization be used effectively in data reporting? What are some common mistakes to avoid when creating data reports? **(5marks)**
- 10.** What are some common types of data reports, **(5marks)**
- 11.** How can color and design choices impact the effectiveness of a data visualization? What are some common mistakes to avoid when creating data visualizations? **(5marks)**

SECTION B: Attempt any three (3) questions**(30 marks)**

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- 12.** Explain and discuss about differences between the Agile and Waterfall project management approaches **(10marks)**
- 13.** List and discuss some common types of research methodology **(10marks)**
- 14.** With help of step by step, discuss about how to conduct research **(10marks)**
- 15.** Discuss the importance of defining performance, usability, recoverability, maintainability, and accessibility requirements. **(10marks)**
- 16.** List and explain some common techniques for categorizing data. **(10marks)**

SECTION C: Attempt only one (1) question**(15 marks)**

- 17.**
- a) Explain how you would go about identifying project requirements.
 - b) List some common methods for identifying project requirements.
 - c) Discuss the importance of identifying project requirements before starting a project. **(15marks)**
- 18.**
- a) Discuss why it's important to define the project scope.
 - b) Explain how you would go about defining the project scope.
 - c) List some common components of a project scope statement.

(15marks)**END OF ASSESSMENT!**