Faculty Name: IT
Qualification Name:
Programming Foundation
Module Name: CF412

Formative Assessment 1 Question Paper

CTU training solutions | Private Tertiary Education

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Formative Assessment 1 Paper

Faculty Name:	Information Technology
Qualification Name:	IT Certificate in Programming Foundation
Module Name:	Cloud Fundamentals Semester 2
Module Code:	CF412
Hand Out:	15-03-2024
Hand In:	12-04-2024
Time:	23:30
Total Marks:	100
Examiner:	Mrs Lindeka Mntambo
Resources Required:	N/A

Section A: Scenario Question(s)	100 Marks

Instruction(s) to Students

1.   Read all instructions carefully before beginning the assessment.

2.   Use only the materials provided to you, including supporting materials if necessary.

3.   Write your name and any required information on the answer booklet or answer sheet.

4.   Read each question carefully and make sure you understand what is being asked.

5.   Manage your time carefully and pace yourself throughout the hand in and hand out dates.

6.   Show all work and clearly label your answers.

7.   All Formatives are due 23:30

8.   Use correct grammar, spelling, and punctuation.

9.   When you have finished the assessment, check your work to make sure you have answered all questions to the best of your ability.

10.   The Feasibility study report MUST have a minimum of 7 pages, including Cover page, contents page, bibliography page and the report itself.

Section A

Scenario Question(s)   100 Marks

Question 1

WeTest is a healthcare organization that specializes in paternity and Maternity testing for clients at a fee of R1800.00. The organisation has their own laboratory. They conduct blood, nails and hair testing. They have private clients, clients from paternity court, as well as clients from hospitals where it is alleged that a baby was switched at birth.

The organisation wants to use Microsoft Azure to host their websites and applications. Also use Azure for data backup and disaster recovery. Therefore, the organisation has decided to move from on-premise to Azure cloud. The organisation has tasked you to create their **Azure Migration Plan,** which you will complete in your Formative 2. For now, they want you to complete a **Feasibility Study Report. (Use Segoe UI Font, Font colour: Black, Font Size: 11, Minimum 7 pages)**

Feasibility study examines the viability or sustainability of an idea, project, or business. The study examines whether there are enough resources to implement it, and the concept has the potential to generate reasonable profits. In addition, it will demonstrate the benefits received in return for taking the risk of investing in the idea.

Feasibility Study analyses whether the proposed business ideas will succeed or fail. It determines the practicality by assessing the opportunities and threats of the proposed plan. They reveal the return on investment, the risk involved, methods of mitigating risks, whether the company can complete it within the scheduled time, the best alternatives available, etc. It helps companies assess the market demand and position their products and services to gain maximum profits or discard the plan if there is no cost-benefit.

What should be included in your Feasibility Study Report:

1. **Executive summary:** Should be about 5 to 10 percent of the length of the whole Feasibility Study Report. Which includes the purpose of the project **(moving from on-premise to Azure cloud)**, What is the problem that it's solving? Explain the profitability of the project and what's in for the investors and What is the estimated timeline to complete the project?
2. **Description of service:** Briefly explain what is moving from on-premise to Azure cloud and its importance.
3. **Technology considerations:** Should include discussions about computer hardware and software, and inventory management.
4. **Service marketplace:** Briefly discuss the Azure marketplace and its benefits.
5. **Marketing strategy:** Discuss how will moving to Azure cloud help the organization to reaching prospective consumers and turn them into customers of our services.
6. **Organization/staffing:** Discuss how will moving to Azure cloud impact on our current stuff. Will there be a need for hiring of new stuff members as well?
7. **Timeline:** Discuss an estimate timeline of how long it will take for the organization to move moving from on-premise to Azure cloud.
8. **Financial projections:** Discuss an estimate cost that the organization must budget for moving from on-premise to Azure cloud.
9. **Findings and recommendations:** Identify the need for moving from on-premise to Azure cloud. Draw conclusions based on your findings. Formulate recommendations based on your conclusion.

[Total = 100 Marks]

Mark sheet/ Rubric

Content:	Excellent	Good	Poor
• Document Submitted is a PDF document, which has a Cover Page, Contents Page, Page numbers, Feasibility Study Report and a Bibliography.	PDF Document submitted with all requirements. (4-5 points)	PDF Document submitted but missing some requirements. (2-3 points)	PDF Document submitted without the requirements. (0-1 points)
• Executive summary	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Description of service	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Technology considerations	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Service marketplace	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Marketing strategy	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Organization/staffing	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Timeline	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)

• Financial projections	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Findings and recommendations	Good to excellent planning shown. (8-10 points)	Some Planning noted. (6-7 points)	Very little Planning noted. (0-5 points)
• Proper document structure, font type and font size, Minimum 7 pages submitted.	PDF Document submitted with all requirements. (4-5 points)	PDF Document submitted but missing some requirements. (2-3 points)	PDF Document submitted without the requirements. (0-1 points)

[Total = 100 Marks]