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061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/12/6

PERFORM SYSTEM ANALYSIS AND DESIGN

JULY/AUGUST 2023

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

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ASSESSOR'S PRACTICAL GUIDE

TIME: 3 HOURS

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has a name tag and registration code at the back and front.
4. The candidate should not have any written material.

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OBSERVATION CHECKLIST

Candidate's name & Registration No.	
Assessor's name & Reg. code	
Unit(s) of Competency	**PERFORM SYSTEM ANALYSIS AND DESIGN** DESIGN
Venue of Assessment	
Date of assessment	

(Indicate the marks available and marks obtained respectively. Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)

Items to be evaluated:	Marks allocated	Marks obtained	Comments
Task 1: Created a simple database structure for information storage and retrieval			
i. Identified all the entities captured in the data provided	**4**		
ii. Performed a Normalization process.	**4**		
iii. Created a new database	**2**		
iv. Created two tables (Original table and Normalized table)	**4**		
v. Set a primary key for each table.	**2**		
vi. Used delete, update and insert commands to query the database appropriately.	**6**		
vii. Saved the database as SAD in a folder named 'PROCESS' ***(award marks as indicated= 25)***	**3**		
Task 2: Constructed an Entity Relationship ER model			
i. Used MS Access to construct an ER model for TUV	**20**		

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ii. Saved the model as ER in the PROCESS folder **iii.** Printed the database and ER diagram report. ***(award marks as indicated= 25)***	**3** **2**		
TOTAL	**50**		

ASSESMENT OUTCOMES

The candidate was found to be:

Competent ☐ Not yet competent ☐

(Please tick as appropriate)

(The candidate is competent if s/he gets 50% or higher)

Feedback from candidate:

Feedback to candidate:

Candidate's signature:	Date:	
Assessor's signature:	Date:	

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