

**061005T4ICT**

**ICT TECHNICIAN LEVEL 5**

**IT/OS/ICT/CR/5/5**

**Develop Computer Program**

**March/April 2025**



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

easytvet.com

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO ASSESSOR**

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

## OBSERVATION CHECKLIST

|                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                       |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------|-----------------|
| <b>Candidate's Name &amp; Registration Code</b>                                                                                                                                                                                                                                                                                    |                                                                                  |                       |                 |
| <b>Assessors Name &amp; Registration Code</b>                                                                                                                                                                                                                                                                                      |                                                                                  |                       |                 |
| <b>Venue of Assessment</b>                                                                                                                                                                                                                                                                                                         |                                                                                  |                       |                 |
| <b>Date of Assessment</b>                                                                                                                                                                                                                                                                                                          |                                                                                  |                       |                 |
| <b>Items to be Evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>                                                                                                                                                                                                                  | <b>Marks Available</b>                                                           | <b>Marks Obtained</b> | <b>Comments</b> |
| <b>TASK 1: Develop a program flowchart</b>                                                                                                                                                                                                                                                                                         |                                                                                  |                       |                 |
| <b>1.</b> Candidate wore appropriate PPE.<br><i>(Award 2 marks or 0)</i><br><br><b>2.</b> Used appropriate symbols to draw a program flowchart for the program to be developed<br>i. correct symbols<br>ii. correct flow<br>iii. correct logic<br>iv. well connected<br><br><i>(Award 2 marks or 0 for each in the flowchart):</i> | <b>2</b><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b>8</b> |                       |                 |
| <b>3.</b> Saved the document using the name <i>bankprog</i><br><i>(Award 2 marks or 0)</i>                                                                                                                                                                                                                                         | <b>2</b>                                                                         |                       |                 |
| <b>Sub-Total 1</b>                                                                                                                                                                                                                                                                                                                 | <b>12</b>                                                                        |                       |                 |

| <b>TASK 2: Develop a program using C language.</b>                                                                                                                                                                                                                                                                                              |           |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|
| <b>1.</b> Used C language syntax to develop a program to implementing the logic shown in the flowchart.<br><i>(Award 2 marks for each items below in the program):</i> <ol style="list-style-type: none"> <li>correct header file</li> <li>comments</li> <li>function main</li> <li>variables</li> <li>input/output statements</li> </ol>       | <b>10</b> |  |  |
| <b>2.</b> Compiled the code to debug all errors.<br><i>(Award 7 marks or 0)</i>                                                                                                                                                                                                                                                                 | <b>7</b>  |  |  |
| <b>3.</b> Saved the code as <i>sumyetu</i> on the desktop<br><i>(Award 2 marks or 0)</i>                                                                                                                                                                                                                                                        | <b>2</b>  |  |  |
| <b>Sub-Total 2</b>                                                                                                                                                                                                                                                                                                                              | <b>19</b> |  |  |
| <b>TASK 3: Use basic HTML tags.</b>                                                                                                                                                                                                                                                                                                             |           |  |  |
| <b>1.</b> Used a notepad to write code that generated output shown in fig 2.<br><i>(Award 2 marks for each correct item below in the notepad):</i> <ol style="list-style-type: none"> <li>correct syntax ordered list</li> <li>correct syntax unordered list</li> <li>correct logic</li> <li>correct output</li> <li>extension .html</li> </ol> | <b>10</b> |  |  |
| <b>2.</b> Saved the notepad as <i>appointments</i> .<br><i>(Award 3 marks or 0)</i>                                                                                                                                                                                                                                                             | <b>3</b>  |  |  |

|                                                                                                                                                                                                                                          |           |              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|--|
| <b>Sub-Total 3</b>                                                                                                                                                                                                                       | <b>13</b> |              |  |
| <b>TASK 4: Print documents</b>                                                                                                                                                                                                           |           |              |  |
| i) Printed <i>bankprog</i> prepared in task 1<br>(Award 2 marks or 0)                                                                                                                                                                    | <b>2</b>  |              |  |
| ii) Printed <i>sumyetu</i> code prepared in task 2<br>(Award 2 marks or 0)                                                                                                                                                               | <b>2</b>  |              |  |
| iii) Printed <i>appointments</i> prepared in task 3<br>(Award 2 marks or 0)                                                                                                                                                              | <b>2</b>  |              |  |
| <b>Sub-Total 4</b>                                                                                                                                                                                                                       | <b>6</b>  |              |  |
| <b>GRAND TOTAL</b>                                                                                                                                                                                                                       | <b>50</b> |              |  |
| <b>ASSESSMENT OUTCOME</b>                                                                                                                                                                                                                |           |              |  |
| <p>The candidate was found to be:</p> <p>Competent <input type="checkbox"/> Not yet Competent <input type="checkbox"/></p> <p>(Please tick as appropriate)</p> <p>(The candidate is competent if the candidate obtains at least 50%)</p> |           |              |  |
| <b>Feedback from the Candidate:</b>                                                                                                                                                                                                      |           |              |  |
| <b>Feedback to the Candidate:</b>                                                                                                                                                                                                        |           |              |  |
| <b>Candidate Signature</b>                                                                                                                                                                                                               |           | <b>Date:</b> |  |
| _____                                                                                                                                                                                                                                    |           | _____        |  |
| <b>Assessor's Signature</b>                                                                                                                                                                                                              |           | <b>Date</b>  |  |
| _____                                                                                                                                                                                                                                    |           | _____        |  |