

061306T4CPM

COMPUTER PROGRAMMING LEVEL 6

IT/OS/CP/CR/09/6/A

DEVELOP SERVER-SIDE WEB APPLICATIONS USING PHP

NOV/DEC 2023



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

WRITTEN ASSESSMENT

TIME: 3 Hours

INSTRUCTIONS TO CANDIDATE:

- 1. The paper consists of **two** sections: **A** and **B***
- 2. Answer **ALL** questions in Section **A** and any **Three** from section **B***
- 3. Marks for each question are indicated in the brackets*
- 4. A separate answer booklet will be provided*
- 5. Do not write on the question paper*

Candidates should answer the questions in English

This paper consists of Four (4) printed pages.

***Candidate should check the question paper to ascertain that all the pages are
printed as indicated and that no questions are missing.***

SECTION A (40 Marks)

(Answer ALL the questions in this section)

1. Explain the meaning of server-side application development and give TWO examples of programming languages used. (4 Marks)
2. Outline the function of the following super-global functions as used in PHP programming language.
 - i. \$_SERVER (2 Marks)
 - ii. \$_SESSION (2 Marks)
3. Explain any TWO types of errors that a PHP programmer is likely to encounter during form creation. (4 Marks)
4. Mmena is an experienced web designer who prefers to use PHP for server-side scripting over other languages. List FOUR reasons for his preference. (4 Marks)
5. Outline TWO PHP functions that can be used to escape html code on form. (4 Marks)
6. Peter wants to submit a form data to the database but he is not sure which method to use between POST and GET. Contrast the two methods and advise him accordingly. (4 Marks)
7. Write a PHP script that can be used to generate all even numbers between 0-100. Use *for loop*. (6 Marks)
8. Outline FOUR rules of naming variables in PHP programming language. (4 Marks)
9. With the aid of a syntax, explain a ternary operator in PHP language. (4 Marks)
10. Outline TWO types of arrays as used in a sever side programming language. (2 Marks)