



The Co-operative University of Kenya

END OF SEMESTER EXAMINATIONS

EXAMINATION FOR THE DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY/ BBIT

COURSE CODE: BCIT 3232

UNIT TITLE: ADVANCED WEB DEVELOPMENT.

DATE: DECEMBER, 2022.

Time: 2 HOURS

INSTRUCTIONS

1. ANSWER YOUR QUESTIONS IN ANSWER BOOKLET PROVIDED.
2. ANSWER QUESTION ONE [COMPULSORY] AND ANY OTHER TWO QUESTIONS.

SECTION A: Answer ALL questions (30 MARKS)

1.
 - (a) PHP is a server-side language or a client-side language? Explain your answer. (2 marks)
 - (b) Write the connectivity string in PHP with MySQL database. (4 Marks)
 - (c) Explain the various operators in PHP. (5 Marks)
 - (d) Differentiate between \$_GET and \$_POST methods in PHP. (4 Marks)
 - (e) How would you generate random numbers in PHP? (2 Marks)
 - (f) Write is the difference between session and cookie? (3 Marks)
 - (g) Define serialization. (2 Marks)
 - (h) Write the syntax for creating Cookie. (2 Marks)
 - (i) List TWO advantages of server-side scripting. (2 Marks)
 - (j) Define GET and POST methods. (2 Marks)
 - (k) State the use of “\$” sign in PHP. (2 Marks)

SECTION B: Answer any two (2) questions (40 MARKS)

2.

- (a) Explain how a Browser communicate with Web Servers? (5 Marks)
- (b) List out the advantages of PHP. (5 Marks)
- (c) Explain arrays in PHP with examples. (5 Marks)
- (d) Write a function that interchange and prints the value of two integers A and B without using any extra variable. (5 Marks)

3.

- (a) Define FORMS and explain different form fields. (8 Marks)
- (b) Explain how to save the user's data in a file and write a program in it. (5 Marks)
- (c) Write a program to update a value of database on user request. (7 Marks)

4.

- (a) Explain the various data types in PHP. (5 Marks)
- (b) State and explain the various types of joins available in MySQL. (5 Marks)
- (c) Describe the web page validation with suitable example. (10 Marks)

5.

- a) Explain the various date and time functions in PHP. (5 Marks)
- b) Explain the features in MySQL database. (5 Marks)
- c) With the help of an example, explain each step for accessing data from a MySQL database table. (10 mark)