

ZIMBABWE EZEKIEL GUTI UNIVERSITY



FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

Department of Digital Technology

Module: CDT110 Website Design and Internet Computing

Exam Duration: 4 hours

Date: 2021

Instructions

- (i) Attempt all questions in section A, the mark allocation for each question is shown in square brackets.
- (ii) Number your answers accordingly.
- (iii) The total marks for the examination is 100.
- (iv) The Examination consists of Section A and Section B
- (v) Answer Section A and any **three** Questions from Section B
- (vi) Write your section A answers in answer booklet provided
- (vii) Write your section B answers on your computer in one folder

Section A – Theory Question –[25 marks]

Question 1

- a) Describe the purpose of each of the following html tags [8 marks]
- i. `<script>....</script>`
 - ii. `<input />`
 - iii. `<select>....</select>`
 - iv. `<option>....</option>`
- b) Describe operations that are associated with server side scripting [4 marks]
- c) When working with hyperlinks there are 4 places that an Internet Programmer might want to link to. Identify these places and describe how the links are achieved for each. [8 marks]
- d) Differentiate between static and dynamic web content giving any two languages used to create dynamic web content [5 marks]

Section B- Practical Questions- [75 marks]

Answer any three questions from section B

Question 2

Use html to create a table below.

Invoice number 9007		22 October 2020	
Pay to; 11256 Mbare Harare		Customer: Maka Jones 5318 Mabelreign Harare	
Name/Description	Quantity	Unit price	Cost
Staples	500	\$10	\$50 000
Paper clips	600	\$10	\$600
Sub total			\$50 600
Tax			10%
Grand total			\$45 540

- i. Change the background colour of the table to blue.
- ii. Italicise all the text
- iii. Align all text at the centre [25 marks]

Question 3

Create a webpage containing a form design below and the following functionalities;

- iv. When the user clicks the submit button he or she must be directed to the e-mail editor with pre-coded email address called pgrocer@bristol.mass.edu and subject called **Degree courses**.
- v. The user must send the mail as plain text.
- vi. The clear button must reset all chosen options [25 marks]

NAME:

COURSE:

Lotus Notes

Internet User

Advanced COBOL

Database Programming

MAJOR:

Computer Information Systems

Business Administration

Other major

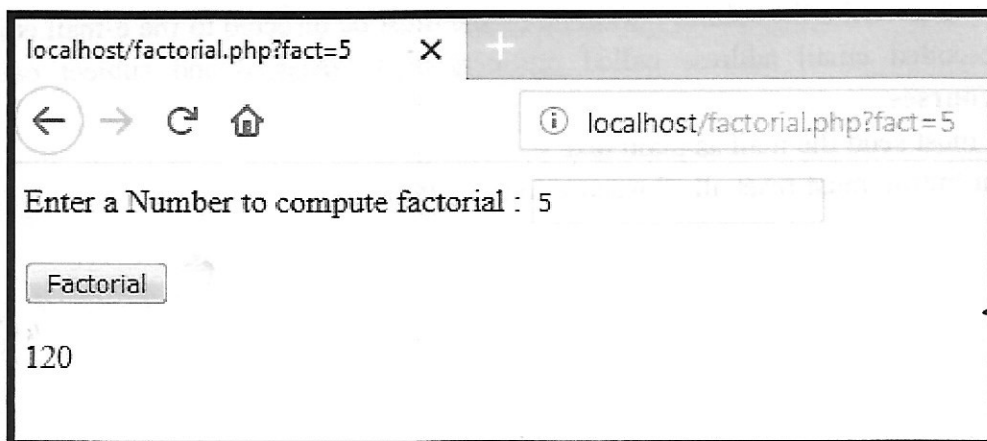
Comments:

COMMENTS

Question 4

Design an HTML form as demonstrated below and add PHP script to accept any number, pass it to a parameterized function called factorial to determine and display the factorial of that number on the screen using a method called GET.

Hint: factorial of $n = 1*2*3*...*n$. i.e. factorial of 3 is $3*2*1 = 6$ [25 marks]



Question 5

Develop a JavaScript program to perform simple arithmetic functions as demonstrated below;

- i. + For addition
- ii. - For subtraction
- iii. * For multiplication
- iv. / For division

[25 marks]

Please enter first number:

please enter second number:

Choose operator :

.....End of Paper.....