

**W1-2-60-1-6**

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

# **UNIVERSITY EXAMINATIONS 2018/2019**

THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

**HBT 2302: APPLICATION PROGRAMMING FOR THE INTERNET**

DATE: DECEMBER 2018 TIME: 2 HOURS

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**INSTRUCTIONS: ANSWER QUESTION ONE [COMPULSORY] AND ANY OTHER TWO QUESTIONS**

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**QUESTION ONE [COMPULOSRY] [30 MARKS]**

1. Briefly explain the following internet protocol
2. SMTP (ii)TCP/IP (iii) HTTP (iv) FTP [8 marks]
3. Explain the differences between client side sculpting and server side sculpting. [6 marks]
4. Briefly discuss the uses of Java script in web development [4 marks]
5. Discuss the differences between static and dynamic websites. [4 marks]
6. Write CSS codes that adds the following characteristics to web pages.
7. Set background color to Blve
8. Set font size to six
9. Adds a border line to all tables
10. Sets the page margins to all pages [8 marks]

**QUESTION TWO [20 MARKS]**

1. Write HTML codes to display the following farm:

Client No.

Client Name

Gender

* Male
* Female

Payment mode cash

Shipment mode Credit

* Air
* Sea

Submit Reset

[8 marks]

1. Explain the following as used in web application
2. Common gate way interface
3. Actue server pager
4. Sockets [6 marks]
5. Explain the uses of frames in Java script [4 marks]
6. Explain graphs/audio/video can be embedded on web pages [2 marks]

**QUESTION THREE [20 MARKS]**

1. Write Php codes that connects a given firm to a database. [6 marks]
2. Write php scripts that selects data from a customer table and displays it out. [6 marks]
3. Write java script codes to prompt the user for his name and display the following messages

;Welcome + Name [4 marks]

**QUESTION FOUR [20 MARKS]**

1. Write Java script function that validates the following form [6 marks]

Customer No.

Customer Name:

Submit Enter

(b) Write HTML codes that displays the following table

|  |  |  |
| --- | --- | --- |
|  | | |
|  |  |  |

( c) Write HTML codes that displays the following table

|  |  |  |  |
| --- | --- | --- | --- |
| ABC SCHOOL | | | |
| Reg. NO. | Names | Tel NO. | Addm |
| 01 | Tom | 0721444333 | 80177 |
| 02 | Joh | 0721323 463 | 86180 |

[6 marks]

1. Briefly explain why HTML is considered to be a chart side scripting language [2 marks]

**QUESTION FIVE [20 MARKS]**

1. Explain the following loops as used in Java Scripts
2. Java ;pp[
3. While loop
4. Switch
5. If . else
6. Variables [10 marks]
7. Write Java scripts codes to display the following window [6 marks]

The no is o

The no is 2

The no is 4

The no is 6

1. Explain the advantages of CSS in web development. [4 marks]