MASTER OF LIBRARY AND INFORMATION SCIENCE

(DIGITAL LIBRARY) EXAMINATION, 2019

(3rd Semester)

Information Technology - II

Paper : MLDL - 7.3

Time : Two hours   Full Marks : 50

Answer ***all*** questions.

1A. (a) What is a Scripting Language ? Mention the different types of scripting language with examples and explain the features of any one scripting language of each type.   2+2+4

   (b) Write a JavaScript code in HTML which show your name and address in different lines and also incorporate current date and time in this web page.   4+3

OR

1B. (a) Enumerate the differences between scripting language and core programming language. What is Function and how to create a Function in JavaScript ? Illustrate it with a suitable example.   3+3+3

(b) What are the features of Perl Language ? Explain the different types of data Perl language handles with suitable examples.   2+4

2A. (a) What are the 'Objects' used in Java Programming language ?

(b) Write a program in Java to calculate and print 'Grade' with the following conditions :

Grade	Number
E	>90
A	>80 but <=90
B	>60 but <=80
C	>40 but <=60
F	<=40

Take 'Number' (must be less than 100) as input through command line argument.

(c) Write a program in Java to calculate and print the following summation :

Sum = 0 + 2 + 4 + ... + 100   5+5+5

2B. (a) State how to perform the following tasks in MySQL to :

(i) create a table 'vendors' with at least six fields which you think necessary for a good bibliographic database.

(ii) display the structure of 'vendors' table.

(iii) Populate the 'vendors' table with at least three records.

(iv) rename the table 'vendors' to 'suppliers'.

(v) delete all records from the table.

(vi) delete the table.

(vii) Explain joining in MySQL with example.   9+6

3. Write short notes on any two :   5x2=10

(a) Pop-up Boxes in JavaScript

(b) JavaScript Object

(c) Data types in Java

(d) Relational operators in Java

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