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Ex./MLDL/7.3/21/2018

MASTER OF LIBRARY & INFORMATION SC. (DIGITAL LIBRARY EXAMINATION, 2018

(3rd Semester)

Information Technology - II

Paper : MLDL - 7.3

Time : Two hours

Full Marks : 40

(b) Write a program in Java to calculate income tax for the given income with the following conditions :

(i) tax = 0 if income  $\leq$  2,00,000

(ii) tax = 10% of income if 2,00,000 < income  $\leq$  5,00,000

(iii) tax = 20% of income if income > 5,00,000      5

**OR**

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

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

(ii) display the structure of 'books' table

(iii) populate the 'books' table with at least three records

(iv) rename the table 'books' to 'documents'

(v) delete all records from the table

(vi) delete the table

(b) Discuss select statement with its various features. 10+5

3. Write short notes on any **two** of the following : 5x2=10

(a) php Scripting language

(b) Command line argument

(c) Java bytecode and JVM

(d) MySql data type

Answer **all** questions.

1A. What is a scripting language ? Differentiate between traditional programming language and scripting language with examples. How to use external Java Script file in a html code ? Write the syntax in Java Script for the following control structures along with example for each.

(i) If ..... Then

(ii) For ..... Next

1+4+2+8

**OR**

1B. Define an object in Java Script with an example. What are the types of Pop-up boxes available in Java Script ? Give an example for each. How to set different colours in the background of a web page come after every second automatically ?

4+6+5

2A. (a) What do you mean by Object Oriented Programming ? Explain 'Class' and 'Method' in Java. What are the differences between 'C' and 'Java' ?

3+4+3=10

(Turn over)