

S.D.E.

M.B.A. (IT) SEM – IV (2010 COURSE) (3 YEAR COURSE) :

SUMMER - 2018

SUBJECT : PROGRAMMING WITH JAVA

Day : **Tuesday**
Date : **29/05/2018**

S-2018-4547

Time : **02.00 P.M. TO 05.00 P.M.**
Max. Marks : 70

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and attempt **ANY TWO** questions from Section - II.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** What is an Object Oriented Programming paradigm? How it is different from Procedure Oriented Programming paradigm? [10]
- Q.2** Explain different flow control statements in Java with proper syntax and suitable examples. [10]
- Q.3** Differentiate between the following: [10]
- a) Call by value and call by reference
 - b) Method overloading and Method overriding
- Q.4** What is an Applet? Why it is required? Define the life cycle of Applet. [10]
- Q.5** Write short notes on **ANY TWO** of the following: [10]
- a) Multithreading
 - b) Garbage collection
 - c) Abstract class

SECTION – II

- Q.6** Create three thread classes A, B, C. [15]
- a) thread A prints integer value from 1 to 10.
 - b) thread B prints character from A to Z.
 - c) thread C prints integer values from 40 to 75.
- Apply the following behaviour on threads
1. get priority value of each thread
 2. set priority of thread A = current priority +2.
- Q.7** Create an Editor in applet using which the users can enter some text and set the font and color of the text according choice. The text will be displayed appropriately when the applet is run. [15]
- Q.8** Create an Applet to accept the following parameters for Employee: [15]
- a) EmpName
 - b) EmpCode
 - c) BasicSalary
 - i) Calculate NetSalary = BasicSalary + TA + DA.
TA = 20% of BasicSalary
 - ii) DA = 75% of BasicSalary
 - iii) Also print the value of getdocumentbase () and getcodebase ().

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