

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-544
FACULTY OF SCIENCE AND TECHNOLOGY
T.E. (CSE/IT)
Programming In Java
(REVISED)

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

- N.B
1. Q.No.1 Q.No.6 are compulsory.
 2. Attempt any two questions from remaining questions of each section.
 3. Assume suitable data wherever necessary.

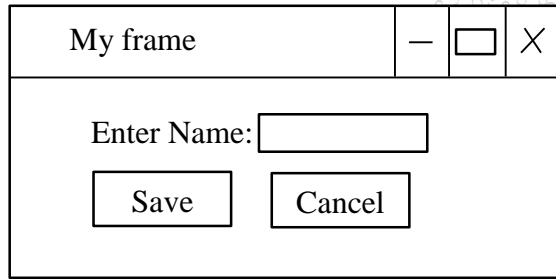
Section A

- | | | |
|-----|--|----------|
| Q.1 | Solve any two:
a) List out wrapper classes in Java
b) Explain features of java
c) Define class, object. | 10 |
| Q.2 | a) Differentiate between abstract class and interface.
b) How to create user defined package? | 07
08 |
| Q.3 | a) What is exception handling? How to handle multiple exceptions.
b) How to create user defined exception? | 07
08 |
| Q.4 | a) Explain static, inner class with code snippet.
b) Write a java program to generate random numbers / integers in 499 to 999 ranges. | 07
08 |
| Q.5 | a) Write a java program contains "Car" as abstract class and an instance variable reg no, one concrete method openTank (), two abstract methods steering (int direction, int angle), braking (int force) and its implementation sub classes Tata, Mahindra which overlies above methods.
b) Explain and differentiate between, final, finally, finalize | 08
07 |

Section B

- | | | |
|-----|--|----------|
| Q.6 | Solve any two:
a) Define stream.
b) Explain thread priority
c) How to perform action on control component | 10 |
| Q.7 | a) Write a java program to demonstrate object serialization.
b) Explain thread life cycle. | 07
08 |
| Q.8 | a) Explain applet life cycle.
b) Write a java program read data from keyboard contains student id, name, branch & write it to "student.txt" file. | 07
08 |

- Q.9 a) Explain multiple ways of synchronizing thread. 07
- b) Write a java program for applet with button & label as “food messing” as message to be displayed 08
- Q.10 a) Write a java program which shows following output window using AWT. 08



- b) Write a java program to create “My Thread” class with run () method then attach a thread to this MyThread class object. 07