

Hall Ticket Number:

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Code No.: 143

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
M.C.A. I Year II-Semester (Main/Backlog) Examinations, June/ July - 2016

Object Oriented Programming Using Java

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE questions from Part-B

Part-A (10 X 2=20 Marks)

1. List the benefits of object oriented programming.
2. Distinguish between interface and abstract class.
3. Explain the usage of finally keyword.
4. State the advantages of multithreaded programming.
5. Differentiate between Set and SortedSet interface.
6. Explain the usage of Date class.
7. Write a brief note on character streams.
8. Explain the usage of InetAddress class.
9. Define an Applet class.
10. Write short notes on Event delegation model.

Part-B (5 X 10=50 Marks)

11. a) Write short notes on different forms of Inheritance. [5]
b) Define constructor overloading and explain with an example. [5]
12. a) Describe some of the typical methods of thread class. [5]
b) Write a program to check Arithmetic Exception. [5]
13. a) Describe the concept of StringTokenizer with an example. [6]
b) Write a program to demonstrate the use of TreeMap class. [4]
14. a) Write short notes on Serialization. [4]
b) Write a program that counts number of characters and words of a given file. [6]
15. a) Explain about WindowListener interface. [3]
b) Illustrate the lifecycle of an applet with an example. [7]
16. a) Write a recursive method to find factorial of a given number. [4]
b) Define thread synchronization and illustrate with an example. [6]
17. Answer any **two** of the following:
a) Illustrate the usage of LinkedList class with an example. [5]
b) Write short notes on Output Streams. [5]
c) Describe the process of passing parameters to an applet. [5]
