

R09

Code No: 09A31801

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year I Semester Examinations, May/June-2013

Object Oriented Programming

(Common to MMT, ECOMPE)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Give an example to discuss about method binding mechanism.
- b) Define encapsulation? Explain how it is implemented in Java. [8+7]
2. Define a class person having data members as name of the person, names of the parents of the person, gender, age and array containing list of hobbies. Provide functions indfather(), findmother() which returns the object of person class. Provide access using function for all the functions. [15]
3. Write a program which reads the biodata and records of 2 sessional and print the final result make separate class for biodata, sessional 1, sessional 2 and final result. Then sessional 1, sessional 2 classes are derived from biodata class. Find result in defined from sessional 1 and sessional 2 classes. Explain the concepts identify in the program [15]
4. What are the differences between Interface and Abstract class? Explain how java get benefited by using Interface with the help of an example. [15]
- 5.a) What is Exception? Explain any three built-in exceptions?
- b) What is the difference between Checked and Unchecked exception? [7+8]
- 6.a) What is synchronization in the context of Java? What is the difference between notify and notifyAll method?
- b) What is the difference between sleep and suspend? [9+6]
- 7.a) Explain Delegate Event Model in detail
- b) Write a Java program to display the message on the applet wherever mouse click occurs. [8+7]
- 8.a) Write an applet that contains three buttons OK, CANCEL and HELP and one textfield. if OK is pressed shown on the status bar-“OK is pressed” and the textfield should turn red. When CANCEL is pressed -shown on the status bar-“CANCEL is pressed “and text field should turn green. When HELP is pressed shown on the status bar-“HELP is pressed” and the text field should turn yellow.
- b) With an examples explain various methods of Check box and Combo box class. [8+7]

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