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Question Paper Code : 60388

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016

Fifth Semester

Computer Science And Engineering

CS 2305/CS 55/10144 CS 506 – PROGRAMMING PARADIGMS/PROGRAMMING
PARADIGMS WITH JAVA

(Regulations 2008/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Mention the various access specifiers supported by object oriented programming.
2. Write a simple JAVA program to find the given number is prime or not.
3. Define the term proxies.
4. What is meant by object cloning?
5. Define frame.
6. What is adapter class?
7. Define generic class.
8. What is Virtual Machine in generic programming?
9. What is Thread State?
10. List out the methods of Executors.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the packages with examples. (16)

Or

(b) (i) Discuss about the String. (8)

(ii) Explain about the Access Specifiers. (8)

12. (a) (i) What is class hierarchy? Explain its types with suitable example. (8)

(ii) Explain in detail about the term reflection. (8)

Or

(b) (i) Explain in detail about the term interface and list out its properties. (8)

(ii) What is final keyword? Explain with an example. (8)

13. (a) (i) Explain the basic of event handling. (4)

(ii) Discuss the adapter classes using example. (6)

(iii) Write a simple program to demonstrate the mouse events. (6)

Or

(b) What is Layout management? State the various types of layout supported by JAVA. Which layout is default one? Discuss the components of Swing.

14. (a) (i) Explain about generic code and the virtual machine. (8)

(ii) What is exception? How to throw an exception? Give an example. (8)

Or

(b) (i) Explain about the reflection and generics. Give a example. (8)

(ii) What is finally class? How to catching exceptions? Write an example. (8)

15. (a) What is thread? Discuss the types of threads. Write a program for reader and writer problem using thread in JAVA.

Or

(b) Explain the two types of thread implementation supported by JAVA. Give examples. Write note on interrupting threads.