

D 51528

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Name.....

Reg. No.....



**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE  
EXAMINATION, DECEMBER 2008**

CH 2K 503E/PTEE 2K 504E/PTME 2K 505E – OBJECT ORIENTED PROGRAMMING

(Common to all branches)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

- I. (a) Define : JVM and Multithreading with reference to Java.  
(b) What are packages in Java? Explain.  
(c) Specify any two components of swing that are not in AWT and explain.  
(d) With example, explain how Java supports 'clipboard' feature.  
(e) Write a program to move a circle from left to right.  
(f) What are beans? Explain.  
(g) What are remote objects? Give examples with usage.  
(h) What is the significance of JAR files?

(8 × 5 = 40 marks)

- II. (a) (i) Explain the distinct features of Java.  
(ii) What are exceptions? How are they handled?

*Or*

- (b) (i) Explain the life cycle of an applet with an example.  
(ii) With an example, explain 'canvas' in Java.

(8 + 7 = 15 marks)

- III. (a) (i) Explain the concept of streams in Java.  
(ii) Write a program to design a GVI to get the inputs from a passenger to reserve tickets for rail journey using swings.

(8 + 7 = 15 marks)

*Or*

- (b) (i) Write a note on 2D graphics.  
(ii) Explain how Java helps in network programming.

(15 marks)

**Turn over**

IV. (a) Explain how Java helps in network programming. (15 marks)

Or

- (b) (i) Explain 'naming' services.  
(ii) Explain : Socket TCP/IP in brief. (7 + 8 = 15 marks)

V. (a) Write a note on CORBA. (15 marks)

Or

- (b) (i) Explain the significance of servlets.  
(ii) What is object serialization? Explain briefly. (8 + 7 = 15 marks)

[4 × 15 = 60 marks]