## FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, DECEMBER 2006

CH 2K 506 E/PTEE 2K 504 E/PTME 2K 505 E-OBJECT ORIENTED PROGRAMMING

(Common to all Branches)

Time: Three Hours

Maximum: 100 Marks

## Part A

- I. (a) Briefly explain the role of Java Virtual machine.
  - (b) Write a java applet program to display a message on the screen and write the html code to test the applet.
  - (c) Explain the J Applet class.
  - (d) With example explain how input streams are used to read characters from screen.
  - (e) What are the steps involved in designing and evaluating the functional requirements of a beam?
  - (f) What is the use of proxy server?
  - (g) What is CORBA? What are its advantages?
  - (h) What are JAR files?

 $(8 \times 5 = 40 \text{ marks})$ 

## Part B

II. (a) (i) Explain the different types of inheritance with examples.

(8 marks)

(ii) Give an example for user defined exception.

(7 marks)

Or

(b) (i) Write an applet program to display a text message.

(7 marks)

- (ii) Explain the use of utility and Math packages giving two examples from each. (8 marks)
- III. (a) Write a java program using five swing components.

Or

(b) Discuss in detail, how text, audio and video can be used is an application.

(15 marks)

IV. (a) (i) What is Java Bean? List its advantages.

(7 marks)

(ii) Develop a simple Bean and explain how it can be used in an application.

(8 marks)

Or

(b) (i) Explain the TCP/IP client sockets in detail.

(7 marks)

(ii) Write notes on Datagrams.

(8 marks)

D 27157 V. (a) (i) Explain the life-cycle of a servlet. (8 marks) (ii) Write a servlet program to handle HTTP request and responses. (7 marks) (b) (i) What is object serialization? (7 marks) (8 marks) (ii) Write a simple client/server application using RMI. Common to all linguished)  $[4 \times 15 = 60 \text{ marks}]$ amoli sonti: emal (a) Bright training tolor of Jeva Virtual machane, At about this one stroy has naves her ne chargen a velocit of memora relation such a entity, but and the grade was the classes (4). With example explain, how input stroams are used in raid characters from screen of "White are the street involved in designing and evolvating the functional series at the legislative to . Where we want in the old alter W Wednesday to a contract of the when at = 6 × 8) Tank B It (a) (i) the lain the different types of incerticates with examples. America P (ii) Core an example for user is fined exception. Malvinia 11 (b) (i) Write an applet program to display a twit in stage. Earlies the use of arriver and Math sachages giving two examples from each (d. amthas (a) Were a jave program using five awing shappenents, b) Hasties it result however, such o and vided our be used is an archester. menal or 'Tame mit (a) (i) Wilet is leve Bean' Liet its idvantages. (STEWNER) Envelope stagele faste and explain how it can be used in an application (axinam V) dieta) as the roe inace the WOV act also at (i) (c) (ii) Write coles on Patagrams.

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