U.S.N					

Max. Marks: 100

Contd...2

Time: 3 hrs

v) Less than 60 display grade F.

P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Sixth Semester, B.E. - Information Science and Engineering Semester End Examination; June - 2017 .12EE and .12ME

Note: Answer **FIVE** full questions, selecting **ONE** full question from each Unit. UNIT - I 1 a. Explain Applet Skeleton with code snippet. 7 b. Show the implementation of producer-consumer problem using inter-thread 10 communication. c. Explain mouse event class. 3 2 a. Develop a program using Applet to display message "Hello world" in status window. 4 b. Explain the adopter and inner classes. 6 c. Write a short notes on below: (i) is Alive() (ii) join() 10 (iii) Thread priorities (iv) Synchronization. **UNIT - II** 3 a. Explain key swing features. 4 b. Develop a application to add two buttons Alpha and Beta and display message "Alpha was pressed" if Alpha button is pressed and "Beta was Pressed" if Beta button is pressed in 6 the label. c. Explain JDBC process overview with codes Snippet. 10 4 a. Explain J2EE multi-tier architecture. 6 b. Explain different types of JDBC drives. 6 c. Explain swings components and containers. 8 UNIT - III 5 a. Explain the steps involved in development of simple servlet program. 8 b. Explain different JSP tags. 5 c. Explain different javax. Servlet package. 7 6 a. Develop JSP program for works grading system. i) Display grade A if marks in between 90-100 ii) Display grade B is marks is between 80-89 8 iii) Display grade C if marks is between 70-79 iv) Display marks grade D if marks is between 60-69

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b.	Write a program u	ising Servlet for se	ssions tracking.	8				
c.	c. Explain the life cycle of Servlet.							
			UNIT - IV					
7 a.	7 a. Explain RMI at client side with code snippet.							
b.	b. Explain the different EJB Transaction attributes.							
c.	c. Explain security elements in EJB.							
8 a.	a. Explain RMI at server side with code snippet.							
b.	b. What is session java Beans? Give the skeleton of a sessions java Beans.							
			UNIT - V					
9 a.	Write note on:			10				
	(i) CDC	(ii) CLDC	(iii) MIDP security considerations.	12				
b.	Explain MIDlet ev	vent handling.		8				
10 a.	Explain communication	cation in MIDP.		10				
b.	Explain MJDlet m	nodel.		10				

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