## Paper / Subject Code: 53706 / Enterprise Java

## (21/2 Hours)

[Total Marks: 75]

N. E	3.: (1) All questions are compulsory.	
	(2) Make suitable assumptions wherever necessary and state the assumptions made.	
	(3) Answers to the same question must be written together.	
	(4) Numbers to the right indicate marks.	
	(5) Draw neat labeled diagrams wherever <u>necessary</u> .	
	(6) Use of Non-programmable calculators is allowed.	
	(0) 050 07 1-1-1-1 (0) 050 07 1-1-1 (0) 050 07 1-1-1 (0) 050 07 1-1-1 (0) 050 07 1-1 (0) 050 07 1-1 (0) 050 07	
1.	Attempt any three of the following:	15
	What are different technologies provided by Java EE platform?	
a.	Explain 2-tier System Architecture, its advantage and disadvantage.	
b.	Explain the Life cycle of Servlet with diagram.	
C.	What is JDBC? Explain architecture of JDBC in Detail?	
d.	Write short notes on IDRC Drivers?	17
e.	Write a program to accept details of a person and using servlet and store those details	
f.		
	in database.	
	Attempt any three of the following:	15
2.	Explain Request Dispatcher Interface with its methods.	
a.	What is Cookies? Explain setting sending and reading of Cookie in java Servlet.	
b.	What is session? Explain lifecycle of Http Session?	
c.	Write a short note on session management using servlet.	
d.	Explain the working of Non-Blocking I/O.	
e	Write a program to create a servlet application to download a file.	
f.	Write a program to cleate a service application to do whose a	
	144 41 was of the following:	15
3.	Attempt any three of the following:	
a.	Distinguish between Servlet and JSP.	
b.	Explain lifecycle of JSP with diagram.	
c.	Explain different types of JSP tags with example.	
d.	Explain different core tags in JSTL.	
e.	List and explain any 4 JSP Implicit objects with their methods.	
f.	Explain different scopes of JSP objects.	
yz - 1 d		15
4.	Attempt any three of the following:	
a	What are the different types of beans? Explain.	
b	Explain lifecycle of stateful session beans.	
С	What is an interceptor? How an interceptor is defined and how aroundInvoke() is added	
	to it?	
d	Explain the Benefits of Enterprise Java Beans.	
e s	Explain lifecycle of message driven beans.	
f	Explain naming and directory service with example.	
	그 없는 이 이 사용을 하고 있는데 모양이 되고 있다면 하는 것이 없는데 하는 것이 없는데 없다면 다른데 없다면 없다면 다른데	1.0
5.	Attempt any three of the following:	15
a.	Explain Persistency in Java.	
b.	Explain JPA Architecture with diagram.	
c.	Explain hibernate with advantages.	
d.	Explain architecture of hibernate.	
e.	What is Impedance Mismatch? How it can be solved?	
f.	What are different components of Hibernate? Explain.	
- 577 (2.1)	the attention and the second s	