Paper / Subject Code: 53706 / Enterprise Java

(21/2 Hours)

[Total Marks: 75]

N.	B.: (1) All questions are compulsory.	
	(2) Make suitable assumptions wherever necessary and state the assumptions made.	
	(3) Answers to the <u>same question</u> must be <u>written together</u> .	
	(4) Numbers to the right indicate marks.	
	(5) Draw neat labeled diagrams wherever necessary.	
	(6) Use of Non-programmable calculators is allowed.	
	(a) and at sever programment curculations is anowed.	
1.	Attempt any three of the following:	15
a.	What is an enterprise application? What is the enterprise edition of Java?	13
b.	Define Java EE containers with the various Java Container types.	
c.	Explain the life cycle of a servlet application.	- 1
d.	Write a short note on javax. Servlet Servlet package.	
e.	What is a JDBC Statement object? Explain its 3 types.	
f.	List and explain each of the four JDBC driver types.	
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2.	Attempt <u>any three</u> of the following:	15
a.	Explain two methods of RequestDispatcher interface.	
b.	Where are cookies used? Describe any four important methods of cookie class.	
c.	What is a session? Explain Session Management Rules.	
d.	What is Non-Blocking I/O? How it works?	
Э.	Write a servlet code to download a file.	
f.	Which things needs to be carefully checked and understood while writing file uploading	
	code in servlet?	
3.	Attempt any three of the following:	15
a.	What is the use of Java Server Pages? Give the difference between JSP and Servlets.	
o	Explain Life Cycle of a JSP Page.	
2.	What are directives in JSP? Explain its types.	
d.	Give an explanation of the jsp:useBean action tag's attributes and usage.	
	Write a short note on <jsp:plugin> Action.</jsp:plugin>	
e. S.	What exactly is JSTL? Describe XPath in detail.	
•	What exactly is 301B. Boother in an in comm.	
	Attempt any three of the following:	15
1.	What is EJB? Explain its advantages.	15
1	Write a detailed note on the type of Session beans.	
)	Write a short note on Remote and Local Interfaces.	
1	Describe message-driven beans characteristics.	
1	What is a naming service?	
	Write a note on DataSource Resource Definition in Java EE 7.	
5.	Attempt any three of the following:	15
L. 101/	Explain following:	
	i) JOIN condition Using ON ii) Entity Listeners Using CDI	
).	Where Does Java Persistence API Fit In?	
).	Why is there a need for Object Relational Mapping (ORM)?	
i	Write a short note on Functions in JPQL and Downcasting in JPQL.	
). · ·	What is Hibernate? Explain the features of Hibernale.	
	Explain the components of Hibernate configuration.	