SUBJECT CODE NO:- P-213
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E. (CSE/ IT) Examination May/June 2017
Advanced JAVA
(Revised)

[Time: Three Hours] **[Max.Marks:80]**

Please check whether you have got the right question paper.
N.B   1) Q. No.1 and Q. No.6 are compulsory.
               2) Solve any 2 questions from the remaining in each section.

Section A

Q.1   Solve any five.   10
i) What is container? Enlist the type of container
ii) What is AJAX technology?
iii) Write a servlet program to forward request from one servlet to another servlet.
iv) Enlist the methods for reading form data and headers.
v) Explain any two JSP scripting elements with example.
vi) What are implicit objects in JSP? Explain any two
vii) What are cookies?

Q.2   a) Explain RMI architecture in detail   07
        b) What is servlet collaboration? Explain servlet collaboration through shared object   08.

Q.3   a) Explain J2EE application architecture in detail   07
        b) What are JSP directives? Write a program to demonstrate JSP page and include directive   08

Q.4   a) What is session handling in servlets? Write a program to demonstrate session handling in servlets   08
        b) Explain in detail JSP life cycle   07

Q.5   a) What is a custom tag? Explain in detail steps to create custom tags.   08
        b) Explain the following with example   07
                -Servlet Request dispatching
                -Response redirection

Section B

Q.6   Solve any five   10
i) What is HQL?
ii) What is MVC?
iii) Explain following Java Mail protocols:
        -   NNTP
        -   IMAP
iv) Enlist types of JSP Beam?
v) What is WSDL & UDDI
vi)Enlist JSP elements.

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Q.7	a) Explain components of struts based application in detail	05
	b) Create customer table. Write steps to create hibernate application and servlet to insert record in customer table.	10
Q.8	a) Explain in detail software application model based on SOA	07
	b) Explain in detail life cycle of stateful and stateless session beans	08
Q.9	a) Write a program to send mail using Java mail API	07
	b) Explain Hibernate architecture in detail	08
Q.10	Write short note on any three	15
	i) Request processing life cycle of JSF	
	ii) Struts Action interface	
	iii) Java Mail API: Authenticator class	
	Message class.	
	iv) Java Mail application architecture	
	v) Message driven Beans.	

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