Question Paper

Exam Date & Time: 20-Apr-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER MASTER OF ENGINEERING- ME COMPUTING **TECHNOLIOGIES AND VIRTUALIZATION DEGREE EXAMINATION-APRIL 2018** Friday, April 20,2018 Time: 10am to 1pm

Advanced JAVA Programming [VIR 610.9]

Duration: 180 mins. Marks: 100

Answer	all the questions.	
1)	Explain and list few methods associated with the follow API's 3+4+3	ving ⁽¹⁰⁾
	a) Servlet interfaceb) ServletConfig interface	
	c) ServletContext interface	
2)	What is Cookies in Servlet? Explain types of Cookies? Lethe advantages of Cookies in Servlet. 2+4+4	ist ⁽¹⁰⁾
3)	List & explain methods of RequestDispather interface available in Servlet.	(10)
4)	Explain the following JSP Action tags in	(10)
	detail 5+5	
	a) jsp:useBean b) jsp:include	
5)	Write short note for following a) JSP Scriptlets b) JSP Declaration c) JSP Expressions d) ISP Directives 2.5x4	(10)
		. ()
6)	List and explain different types of implicit objects which created by the web container that are available to all t JSP pages.	
7)	What is a session bean? List and explain the types of session beans 2+8	(10)
8)	Explain in detail the difference between hibernate and JDBC?	(10)
9)	A) What is dependency injection? 05	(10)
	B) What is IOC - Inversion of	
	Control?	05
10)		(10)

_		
Enc		