## Fourth Semester MCA Degree Examination, June/July 2018 **Advanced Java Programming**

Time: 3 hrs.

Max. Marks:100

			Note: Answer any FIVE full questions.	
actice.	1	a.	Define servlet. Discuss the life cycle of servlet with appropriate method implementations of the cycle of servlet with appropriate method implementations.	mentations. (06 Marks)
ılpra	•	b.	Explain about HTTP Request headers.	(06 Marks)
m s		C.	What are the methods available to handle the form data? Write a servlet program	
g blank pages. = 50, will be treated as malpractice.			dynamic page using form data.	(08 Marks)
es. be ti	2	a.	What is cookie? How to send and receive the cookies? Write a servlet program to	keen track
pag ill			the user session using cookies.	(10 Marks)
ank 0, v		b.	What is JSP? Explain the advantages of JSP over servlets.	(04 Marks)
$\begin{array}{c} \text{lning bl} \\ 2+8=5 \end{array}$		c.	Explain about JSP expressions and JSP declarations with syntax and examples.	(06 Marks)
mai 7, 42	3	a.	Explain about any 6 attributes of page directives.	(06 Marks)
e re	, 5	b.	Explain the following JSP action tags	(UU MAIKS)
n th ritte			i) < jsp: include >	à c
S W S			ii) <jsp :="" forward=""></jsp>	
ine Ion	1 /2		iii) <jsp :="" plugin="">.</jsp>	(06 Marks)
ross	<i>?</i>	C.	Write a JSP program to get student information through HTML and create Java	
completing your answers, compulsorily draw diagonal cross lines on the remaining revealing of identification, appeal to evaluator and /or equations written eg, 42+8			populate bean and display the same information through another JSP.	(08 Marks)
diagora	4	a.	What is annotation? Explain the built-in annotations of Java	(10 Marks)
completing your answers, compulsorily draw diagonal $\cos$ sines on the remaining blank pages. revealing of identification, appeal to evaluator and /or equations written eg. $42+8=50$ , will be	•	b.	What is Java bean? Explain about simple and indexed properties of Java bean.	(10 Marks)
oril to e	_		Explain the stone in varities IDBC and query with a value	(00 35 1)
puls seal	5	a.	Explain the steps in writing JDBC program with sample code.	(08 Marks)
apl	•	b.	Explain about prepared statement.	(04 Marks)
rs, c		c,	Explain the following with code snippet: i) Scrollable Resultset ii) Updatable Res	(08 Marks)
swe				(oo marks)
r an	6	a.	Explain about the services provided by the container.	(10 Marks)
your fide	Ü	b.	Discuss the life cycle of Message Driven Bean.	(05 Marks)
ng o	)	c.	What is JMS? Discuss about JMS messaging models.	(05 Marks)
oleti alir		٠.	what is vivio. Discuss about vivio measuring models.	(05 Marks)
omp	7	a.	What is stateful session bean? Explain about the life cycle of stateful session bean	(00 Mayles)
	/	b.	Define the terms persistence, entity, entity bean and Entity Manager. Write ar	
1. C		U.	entity bean class which contains employee id and name.	(12 Marks)
			entry bean class when contains employee it and name.	(12 Marks)
No	8		Write a short note on the following:	
ant	0	0	Write a short note on the following:	
Important Note: 1. On 2. Any		a.	Advanced JDBC datatypes  JSP implicit objects	
Im		b.	Status codes	
		c. d.	Jar files.	(20 Mewles)
		u.	Jan Thes.	(20 Marks)