

**JV-003-003507** Seat No. \_\_\_\_\_

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## B. C. A. (Sem. V) (CBCS) Examination

October - 2019

## CS-25: Advance JAVA Programming (J2EE)

(New Course)

Faculty Code: 003 Subject Code: 003507

Time	: 2	$\frac{1}{2}$ H	ours] [	Total 1	Marks :	70
1 (	(A)	Attempt the following:			4	
		(1)	The logic resides at the	middl	e tier.	
		(2)	Which API provides server-side softwal level functionality in a J2EE applied		-	
		(3)	Which package needs to be in			
		(3)	implementing JDBC API in a JDB	-		
		(4)	Which interface is used to call stor			
		` /	in JDBC?	1		
(	(B)	Atte	mpt any <b>one</b> of the following:			2
		(1)	Define the term JavaMail.			
		(2)	What is a Web Container?			
(	(C)	Atte	mpt any <b>one</b> of the following:			3
		(1)	What is J2EE? Explain J2EE Pla	atform	using	
			J2EE APIs.			
		(2)	List and explain any two types of J	DBC d	rivers.	
(	(D)	Atte	mpt any one of the following:			5
		(1)	What are Enterprise Architecture St	yles? E	Explain	
			N-Tier Architecture in detail using	gappro	opriate	
			diagram.			
		(2)	Explain the JDBC-MySQL connection	vity st	epwise	
			in detail with example.			

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2	(A)	Attempt the following:		
		(1)	A for a remote object acts as a clien	nt's
			local representative or proxy for the remote obj	ject
			in RMI.	
		(2)	RMI stands for	
		(3)	Which package needs to be imported for a serve	let?
		(4)	file is known as a Deploym	ent
			Descriptor.	
	(B)	Atte	mpt any one of the following:	2
		(1)	Write a note on stub and skeleton.	
		(2)	What is a servlet?	
	(C)	Atte	mpt any one of the following:	3
		(1)	What is RMI? Explain RMI Architecture in det	ail.
		(2)	Explain session mechanism in Servlet.	
	(D)	Atte	mpt any one of the following:	5
		(1)	Explain the Servlet Lifecycle in detail.	
		(2)	Write a Servlet to indicate page counter or	$ ext{the}$
			number of times user has visited the page.	
3	(A)	Atte	mpt the following:	4
		(1)	tag allows to write Java code into J	ISP
		(2)	Which tag is used as start and end JSP in a J	ISP
		` /	page?	
		(3)	Which tag is used for plugin mechanism in J	ISP
			page?	
		(4)	are special classes that are serializa	ble
			having a zero-argument constructor and all	low
			access to properties using getter and setter meth	ods
			and can be reused in a J2EE application.	
	(B)	Atte	mpt any one of following:	2
		(1)	What are including and forwarding techniques JSP Pages?	s of
		(2)	Define: JSP Implicit Objects.	
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	(C)	Atte	mpt any one of the following:	3
		(1)	List and explain JSP Action Elements.	
		(2)	Write a note on JavaBean Properties and Methods.	
	(D)	Atte	mpt any one of the following:	5
		(1)	Explain Life cycle of a JSP page in detail with	
			its methods.	
		(2)	Explain Directive Elements of JSP in detail.	
4	(A)	Atte	mpt the following:	4
		(1)	The full form of EJB is	
		(2)	In MVC, the defines java bean classes	
			that internally define the system state and actions	
			to change that state.	
		(3)	ORM stands for	
		(4)	provides mapping information in	
			Hibernate.	
	(B)	Atte	mpt any one of the following:	2
		(1)	Define the term MVC.	
		(2)	Give the full form of BMP and CMP.	
	(C)	Atte	mpt any one of the following:	3
		(1)	Write a note on Types of EJB.	
		(2)	Explain Hibernate configuration file.	
	(D)	Expl	ain any <b>one</b> :	5
		(1)	Explain the benefits of EJB.	
		(2)	What is Annotation in Hibernate? Explain the	
			Hibernate inheritance in detail.	
5	(A)	Atte	mpt the following:	4
		(1)	is a lightweight, loosely coupled	
			integrated framework for developing Enterprise	
			level Java applications.	
		(2)	IoC stands for	
		(3)	What is the full form of AOP?	
		(4)	Struts based applications use in design	
			pattern of an application.	
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(B) Attempt any one of following:

(1) Give the definition of Spring Context.
(2) What is Struts?

(C) Attempt any one of following:

(1) Write a note on AOP in Spring.
(2) Write a note on the Properties File in a Struts application.

(D) Attempt any one of following:

(1) Explain Spring Architecture in detail.

Explain Struts Flow of Control.

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(2)