Total No	. of Questions : 8]	200	SEAT No.:
P1535	5	[6002]-164	[Total No. of Pages : 3
	S.E. (Con	nputer Engineer	ring)
	PRINCIPLES OF PR	_	O.
		(Semester - IV)	
	/2 Hours]	)	[Max. Marks : 70
	ons to the candidates:	14.05 on 06.07 on	0.0
1) 2)	Answer Q.1 or Q.2, Q.3 or Q Figures to the right indicate		<i>Q</i> .8.
3)	Neat diagrams must be draw	•	
4)	Make squable assumptions w	•	
<b>Q1</b> ) a)	Explain following featur	es of iava in detail	[6]
~ / /	i) Security	3	[6]
	ii) Platform Independ	ence	
	iii) Object - oriented		
b)	Write short note on	0,0	[6]
ŕ	i) Garbage collector	0, 0.	
	ii) this		
		0,00	
c)	Define constructor. Wh	ich are the types o	f Constructor used in Java?
	Explain with example.	0, 10	[6]
		OP	
<b>Q2</b> ) a)	Explain following featur	res of java in detail	[6]
Q2) a)	i) Portability	Sor java in detan	
	ii) Architecture Neutra	)	
	iii) Distributed	•1	50
	m) Distributed		Ø.
b)	Write short note on		(6)
- /	i) final		
	ii) finalize()		C) CV

c) Explain one dimensional and multi - dimensional array used in Java with suitable examples. [6]

Q3) a) What is mean by inheritance? Explain the various types of inheritance used in Java with suitable example. [6]

*P.T.O.* 

	b)	Explain following keywords of Java in detail [6]		
		i) try		
		ii) catch		
		iii) finally		
		46		
	c)	Define package used in Java. Explain syntax, use, CLASSPATH, hierard	chy	
		of package with example.	<b>[6]</b>	
		OR		
<b>Q4</b> )	a)	Elaborate Method overriding and dynamic method dispatch in Java.	<b>[6]</b>	
	b)	Explain various Exception Handing mechanisms in Java	<b>[6]</b>	
	c)	What is the concept of stream, Explain byte stream and character stre	am	
		in detail.	<b>[6]</b>	
<b>Q</b> 5)	a)	Explain different ways to implement Threads in Tava? With code examp	ole.	
			<b>[6]</b>	
		8) 6?		
	b)	Explain the below methods in detail.	<b>[6]</b>	
		i) Isalive		
		ii) notify		
		iii) getpriority		
	c)	List the Features, advantages, and limitations of Vue JS.	[5]	
		Service Servic		
		OR OR		
<b>Q6</b> )	a)	Explain the uses of is Alive () and join () methods in the java thread w		
		examples.	[6]	
	b)	Explain the thread life cycle model in Java.	[6]	
	c)	Write a short note on React JS and Angular JS.	[5]	
		Cy 26		
		9.		

Q7)	a)	Explain the features of LISP programming.	[6]	
	b)	Explain the following Equality predicates using a suitable example.	[6]	
	c)	<ul> <li>i) EQUAL</li> <li>ii) EQ</li> <li>iii) EQL</li> <li>iv) =</li> <li>Explain the following number predicates using a suitable example.</li> <li>i) NUMBERP</li> <li>ii) ZEROP</li> <li>iii) PLUSP</li> <li>iv) EVENP</li> <li>v) ODDP</li> </ul>	[5]	
		OR OR		
<b>Q</b> 8)	a)	Explain the following functions with suitable examples.	[6]	
		i) CAR()		
		ii) CDR()		
		iii) FIRST()		
	b)	) Describe Logical Programming. Enlist its features. Also, list the commo		
	0)		F 63	
			3	
	c)	Evaluate the following forms of LISP.	[5]	
		i) (car (cdr'(1 2 3 4 5 ))) ii) (car (cdr' (a (b c) d e)))		
		ii) (car (cdr' (a (b)c) d e)))		
		iii) (car (cdr (cdr (1 2 3 4 5 6 7 8))))		
		(A) (O).		
		* * *		
[600	2]-	i) (car (cdr'(1 2 3 4 5 ))) ii) (car (cdr' (a (b c) d e))) iii) (car (cdr (cdr'(1 2 3 4 5 6 7 8))))  ** **  164  3		