Total No. of Questions: 6

Total No. of Printed Pages:2

Maximum Marks: 60

Enrollment No



Duration: 3 Hrs.

Faculty of Engineering / Science End Sem Examination May-2024

OE00082 Advanced Object Oriented Programming

Programme: MCA / Branch/Specialisation: All

BCA-MCA (Integrated)

Note: All questions	are compulsory.	Internal	choices,	if any,	are	indicated.	Answers	0
O 1 (MCOs) should	he written in full	instead	of only a	h c or	d A	ssume sui	table data	a it

Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

neces	sary. I	Notations and symbols have t	their usual meani	ng.	
Q.1	i.	String class belong to which	n package?		1
		(a) java.awt (b) java.strin	g (c) java.lang	(d) java.applet	
	ii.	A Java variable cannot start	with-		1
		(a) An alphabet			
		(b) A number			
		(c) A special character other	r than underscore		
		(d) Both (b) and (c)			
	iii.		default for a me	mber of a class if no access	1
		specifier is used for it?			
		(a) private (b) default	· · •	· · •	
	iv.	•	special method h	naving same name as that of	1
		it's class?			
		(a) finalize (b) delete	` '	` '	
	v.				
		of superclass?			
		· / •	(c) extent	` '	_
	vi. Multiple inheritances in Java can be implemented by-				1
		(a) Interfaces	(b) Multithreading		
		(c) Protected methods	` /		4
	V11.	An is a change in the			1
		(a) Spinner (b) Event	` ′	` '	
	viii. The class serves as the foundation for all Swing component (a) JButton (b) JComponent				1
		(a) JButton			
		(c) JTextField	(d) None of the	ese	

P.T.O.

[2]

	ix.	(a) id, class (b) id, type (c) type, property (d) type,id	1
Q.2	i.	71 6	2
OR	ii. iii.		8
Q.3	i. ii. iii.	Explain all the access specifiers Java with suitable example.	5 5 5
Q.4	i. ii. iii.	What is wrapper class in Java? Explain with examples.	5 5 5
Q.5	i. ii. iii.	Explain action event with an example.	5 5 5
Q.6	i. ii.	1 71	5 5
	iii.	Explain the JSP scripting elements.	5

Marking Scheme

Advanced Object Oriented Programming (T) - OE00082 (T)

Q.1	i)	C	1
	ii)	D	1
	iii)	В	1
	iv)	D	1
	v)	A	1
	vi)	A	1
	vii)	В	1
	viii)	В	1
	ix)	A	1
	x)	C	1
Q.2	i.	Define Type casting	2
	ii.	Unary Operator	1
		Arithmetic Operator	1
		Shift Operator	1
		Relational Operator	1
		Bitwise Operator	1
		Logical Operator	1
		Ternary Operator Assignment Operator	1
OR	iii.	Decision Making statements	2
OIC	111,	Loop statements	4
		Jump statements	2
Q.3	i.	constructor	2.5
		method	2.5
	ii.	Explain Final method	3
OD		Example	2
OR	iii.	'this' and 'static'	2.5
		Example	2.5
Q.4	i.	Explain method overriding	2.5
		Example	2.5
	ii.	Explain Wrapper class	2.5
OP		Example.	2.5
OR	iii.	Define Inheritance	3
		Justification	2

Q.5	i.	Swing	2.5
		AWT	2.5
	ii.	Action event	2.5
		Example	2.5
OR	iii.	Program	5
Q.6			
	i.	Define JSP directives	2
		Explain Types	3
	ii.	Java Class	2.5
		Implementing bean tag	2.5
	iii.	Comment <% Set of comment statements%>	1
		Directive <%@ directive %>	1
		Declaration <%! declarations %>	1
		Scriptlet <% scriplets %>	1
		Expression <%= expression %>	1
