Suraku Academy www.surakuacademy.com Programmer The possibility of errors is maximum in which of the following phase of 1 SDLC? (1)Design (2) Coding Specification Installation and Maintenance (3) (4) 2 Cardinality in an Entity-Relationship diagram refers to the number of higher level entities that are used in the ER model (2) is used to show the ratio of one entity in relationship to another entity is used to show the order of the relationships between two entities (3) gives the count of the number of entities involved in a single relationship 3 The ISO Quality Assurance Standard that applies to Software Engineering is (2) ISO 9000 ISO 9001 (3)ISO 9002 ISO 9003 (4) 4 Software engineering primarily aims on reliable software (1) cost effective software (2) reliable and cost effective software (3)none of the above (4) 5 Software feasibility is based on which of the following: Business and marketing concerns (1) Scope, constraints, market (2) Technology, finance, time, resources (3) Technical process of the developers **(4)** 6 The division of system into components, processes and sub system is called System Analysis System Design (1) (2) Programming Functional Decomposition (4) (3) 7 A turnkey project includes Hardware (1)(2) Software All the above (3) Training (4) The worst type of coupling is 8 Control coupling Data coupling (1)**(2)** Content coupling Stamp coupling (3) (4) CASE Tool is 9 (1) Computer Aided Software Engineering (2) Component Aided Software Engineering Constructive Aided Software Engineering (3) Computer Analysis Software Engineering

02 / COMP-2_A]

2

[Contd...

10		Fig. 1			
	(1)	Flowcharts			
	(2)				
		Cause-effect graphs Decision tab	les		
	(4)	None of these			
	~ ·				
11	_	ect Indicator enables a software pr		manager to	
	(1)	Assess the status of ongoing pro	ject		
		Track potential risks			
	(3)	•	ney go	o critical	
	(4)	All the above		•	
12	Site	for Alpha testing is			
~~		Software Company	(2)	Installation Place	
		Anywhere	(4)		
	(3)	Adiywhere	(+)	TYONG OF THE 200VC	
13	Coh	esion and Coupling can be represent	ented	using	
	(1)	Cause Effect Graph	(2)	Dependence Matrix	
	(3)	SRS	(4)	Structure Charts	
1.4	Dia	de terre accessor de la como est con collect	0		
14		ck box testing is some time called		B.1. 1. 1. 1.	
		Data Flow Testing	(2)	•	
	(3)	Loop testing	(4)	Graph based testing	
15	The	most important feature of spiral n	nodel	is	
	(1)	Requirement analysis	(2)	Risk management	
	(3)	Quality management	(4)	_	
1.0		200010			
16		COCOMO model is			
	` '	Common Cost Estimation Model			
		Constructive Cost Estimation Mo			
	(3)	Complete Cost Estimation Mode		1	
	(4)	Comprehensive Cost Estimation	Mode	el .	
17	The	term HIPO is			
	(1)	Hierarchical Input Process Output	ıt		
	(2)	System Analysis and Design Aid			
	(3)	Documentation Technique			
	(4)	All of the above			
1.0	T 7	60.541			
18		process areas of CMM level 4 ar	e also	classified by a process	
	(1)	CMM level 2	(2)	CMM level 3	
	(3)	CMM level 5	(4)	All of the above	
02 /	` '		(-7)		
02/		[P-2_A] 3		[Contd	

19	Which is not a Software Life Cycle	e Model	?
	(1) Spiral model	(2)	Waterfail model
	(3) Prototyping model	(4)	Capability maturity model
	, , , , , , ,	()	1
20	By metadata we mean		
	(1) very large data	(2)	data about data
		• •	
	(3) data dictionary	(4)	meaningful data
21	A data distinguish to information	1	
21	A data dictionary has information a		
	(1) every data element in a data t		
	(2) only key data element, in a da		
	(3) only important data elements	in a data	a flow
	(4) only numeric data elements in	a data	flow
22	The term parallel run refers to		
	(1) The same job run on two con	•	1
	(2) The processing of two different		
	(3) The concurrent operations of	existing	system and the new system
	(4) None of the above		
22	70		
23	Tracing of any input record or process	cnronoi	ogically that has been performed
	on a system is an	4- 1	
	(1) Audit trail	(2)	Report generation
	(3) Batch processing	(4)	Conversion
24	Good system design prevents data e	nto, orr	ora hu
27	,	-	
		-	space to write in block capitals
	(ii) By giving clear instructions to		on now to fill a form
	(iii) Reducing keystrokes of an ope	erator	
	(iv) Designing good keyboard		
	(1) (i)	(2)	(i), (ii), (iv)
	(3) (i), (ii)	(4)	(iii) and (iv)
25	In interactive data input a menu is a	read to	
20	(1) enter new data	uscu to	
	()		
	(2) add/delete data	0	
	(3) select one out of many alterna	itives of	ten by a mouse click
	(4) detect errors in data input		•
26	In a system flowchart, the manual of	Iata innu	it is expressed by symbol of
	(1) Online storage	(2)	Keyboard symbol for input
	(3) Rectangle	(4)	None of the above
	(2) Izecianiste	(4)	NOTIC OF THE MOOVE
02/	COMP-2_A] 4		[Contd
			-

27	Deci	sion tree uses				
	(1)	Pictorial depiction of	of alternate cond	liti	ons	
	(2)	Nodes and branches				
	(3)	Consequences of va	rious depicted a	alte	ernatives	
	(4)	All the above			it it	
28	In ir	nteractive data input t	erminal comma	nds	are normally used	to
	(1)	enter new data				
	(2)	add/delete data				
	(3)	select one out of m	any alternatives	of	ten by a mouse clic	k
	(4)	detect errors in data	input			
29	A co	ode is useful to repre-	sent a key field	be	cause	
	(1)	it is a concise repre	sentation of the	fic	eld	
	(2)	it is usually done by	y all			
	(3)	it is generally a goo	d idea			
	(4)	it is needed in datal	base design			
30	Mod	lularity				
	(1)	is a feature of all p	rogramming lan	gua	iges	
	(2)	helps make large pr	ogrammes more	u	nderstandable	
	(3)	both (1) and (2)				
	(4)	none of these				
31	Whic	ch of the following is	a tool in desig	n j	phase ?	
	(1)	Abstraction	(2	2)	Refinement	
	(3)	Information hiding	(4	4)	All of these	
32	Top-	down design does no	t require			
150	(1)	step wise refinemen	t (2	2)	loop invariants	
	(3)	flow charting		4)	modularity	
33	In a	decision table if ther	e are 3 variable	s a	and 3 rules, it implies	es
	(1)	specifications may n	ot be complete			
	(2)	design could be faul	Contract of the contract of th			
	(3)	coding will be incor	CONTRACTOR OF THE PARTY OF THE			
	(4)	all of these				
34	A str	ructured program		13		
* 27	(1)	can be reduced to co	ontrol structures	3		
	(2)	is generally more co	implicated than	no	nstructured program	
	(3)	can only be modified				
	(4)	all of these				
02/	COM	P-2_A]	5			[Contd
	_	(5)			_	70_

02/	COMP-2_A J	6	[Contd
44	HTTP stands for (1) Hyper Test Transfer Prot (2) High Tension Transmissi (3) Hyper-text Transfer Prot (4) Hyper Top Text Protoco	on Protocol ocol	
43	Which IEEE standard is devel (1) IEEE 802.1 (3) IEEE 802.3	loped for CSN (2) (4)	1A/CD ? 1EEE 802.2 1EEE 802.4
42	Which is the lowest layer of (1) Host to Host Layer (3) Internet Layer	(2) (4)	? Network Access Layers Application Layer
41	TCP/IP is a : (1) Network Hardware (3) Protocol	(2) (4)	Network Software None of these
40	All programming languages (1) are compatible with each (2) can be supported by any (3) have the same syntax (4) none of these		tem
39	Control structures include (1) iteration (3) exception statements	(2) (4)	
38	When the ERASE command is (1) the file content is erased (2) the file name is deleted (3) both (1) and (2) (4) none of these	1	tories on the disk
37	The graph theoretic concept v (1) Cyclomatic number (3) Euclidean cycle	vill be useful i (2) (4)	Hamiltonian circuit
36	A desirable property of modul(1) independency (3) high coupling	(2) (4)	low cohesiveness multi-functional
	 enhances logical clarity makes debugging easier reduces execution time makes software bug free 		ode size

	45	Wha	t loads and executes at cli	ent side in In	ternet?	
		(1)	Object	(2)	Class	
		(3)	JSP	(4)	Applet	
	46	Key	word used for dynamic me	ethod resolutio	on ?	
		(1)	abstract	(2)	dynamic	
		(3)	virtual	(4)	typeid	
	47	Clas	s is			
		(1)	Collection of objects			
		(2)	Return type		•	
		(3)	A parameter			
		(4)	A template of object to b	e created		
	48	Whi	ch is the fastest port for d	ata transfer ?		
	10	(1)	USB	(2)	Serial	
		(3)	Parallel	(4)	FireWire	
	49		ch IP address is reserved f	· ·		
		(1)	192.168.0.0	(2)	127.0.0.0	·
		(3)	127.0.0.1	(4)	None of these	
	50	The	size of the IPv4 is:			
		(1)	16 Bits	(2)	32 Bits	
		(3)	64 Bits	(4)	128 Bits	
	51	Obie	ect oriented programming t	ends to achie	ve	
		(1)	High coupling, Low coh			
		(2)	High coupling, High coh			
		(3)	Low coupling, High cohe			
		(4)	Low coupling, Low cohe			
	52	_	nature of a method specifie	es .		
		(1)	Authentication process	1		•
		(2)	Return type, name and n	umber of argu	iments	
		(3)	Inheritance			
		(4)	About method body			
	53	Poly	morphism is achieved using	ng		
		(1)	Method overloading	(2)	Method passing	
		(3)	Aliasing	(4)	All of the above	
	54	A co	ondition that is caused by	run-time error	in program is know	vn as
		(1)	Syntax Error	(2)	Semantic Error	
		(3)	Fault .	(4)	Exception	
	02 /	COM	[P-2_A]	7		[Contd
Suraku	Acade	My	Programme	r ww	w.surakua	cademy.com

55	Java	applets are used to create	a	pplications.
	(1)	Graphical .	(2)	User interactive
	(3)	Both (1) and (2)	(4)	None of these
56	Whi	ch of the following is not a prim	itive d	ata type?
	(1)	Boolean	(2)	byte
	(3)	string	(4)	double
57	Tool	used to compile java code is		
	(1)	java	(2)	javac
	(3)	jar	(4)	javadoc
58	Supe	erclass of all classes in java		
	(1)	Instance class	(2)	Super
	(3)	Object	(4)	Power
59			ogramn evelop	ning ?
60		t term is used to describe the int		-
	(1)	Encapsulation	(2)	
	(3)	Polymorphism	(4)	Inheritance
61		t part of object-oriented technolionships?	logy d	efines superclass and subclass
	(1)	Inheritance	(2)	Scalability
	(3)	Encapsulation	(4)	•
	(5)	Enoupstitution	(1)	r orymorp, mani
62		I is able to access class having not because main method is the first method that is its inherent property it makes explicit call to main main method is declared as publications.	I to be	declared
63	Unic	ode character set in java contain	s	
	(1)	20 bits	(2)	32 bits
	(3)	64 bits	(4)	16 bits
02/	COM	P-2 A] 8		{Contd

64	 Which of the statements is true in a protected derivation of a derived class from a base class? (1) Private members of the base class become protected members of the derived class (2) Protected members of the base class become public members of the derived class (3) Public members of the base class become protected members of the derived class (4) Protected derivation does not affect private and protected members of the derived class 				
65	The keyword friend does not appear in (1) The class allowing access to another class (2) The class desiring access to another class (3) The private section of a class (4) The public section of a class				
66-	In which case is it mandatory to (1) Almost in every class (2) Class for which two or mo (3) Class for which copy const (4) Class whose objects will b	ore that	n two objects will be created is defined		
67	Match the appropriate columns: Columns I Check style JVM Javadoc Javadoc Jdb Columns I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	I II IV IV	Columns II declarations and documentation parser debugger for java coding standard abstract computer for java programs		
68	In a switch block, each case state (1) goto (3) exit()	ement	is terminated by (2) continue (4) break		
69	Maximum number of template as (1) One (3) Three	rgumei	nts in a function template is (2) Two (4) Many		
70	Which of the following is examp (1) Steering wheel of the car (3) Color of the car	ole of	encapsulation ? (2) Car (4) Music system of the car		
02/	COMP-2 A I	9	[Contd		

71	What is the difference between virtual fu		
	(1) A virtual function must have a declared. A pure virtual function of		
	(2) A virtual function does not provide must have a definition in the clas		,
	(3) Both are same	3 111	which it is declared.
	(4) None of these		
72	An unconditional control structure is		
	(1) do-while (3) goto	(2) (4)	if switch-case
		()	
73	What is NOT true about interfaces? (1) Interfaces can be instantiated		
	(2) There are no method bodies in in	terfac	ces
	(3) An interface is a reference type(4) Interfaces can be extended by oth	er in	terfaces
74	Which statements shout the C# language		
74	Which statements about the C# language (1) C# supports both procedural and		
	(2) C# is only a procedural language.(3) C# is only an object-oriented.		
	(4) None of the above		
75	is a blueprint or prototype that of	define	es the variables and the methods
	common to all objects of a certain kind		200
	Select the best word to complete this so (1). Class	(2)	
	(3) Polymorphism	(4)	Aggregation
76	Given		
	class A { int a;		
	int subtract(int a) {		
	\\a? Which ke word is used to address the	confl	ict occurring between instance
	variable ') and parameter(1) ?		_ (
	(1) super (3) inline	(2) (4)	that this
77			
11	In Java, 'new' keyword is used to (1) Allocate memory corresponding to	o obj	ect
	(2) Create a new class variable		
	(3) Create a new instance variable(4) Calling default constructor		
02/6	COMP-2_A] 10		{Contd
	ademy Programmer		www gurakuacad

78	What is garbage collection in the context of Java? (1) The operating system periodically deletes all of the java files available on the system.					
	(2) Any package imported in a program and not used is automatically deleted.					
	(3) When all references to an object are gone, the memory used by the object is automatically reclaimed.					
	(4)	2			program and deletes anything	
79		- •			in Java. So primitive variables	
	(11) (3)	float) can be directly definit is explicit of Inner classes	**************************************	(2) (4)	of Wrapper Classes All of these	
80		occupiesbytes in jav	a.	(2)	4	
	(1) (3)	2 8		(2) (4)	4 10	
81	(1)	ch of these field declaration private final static int ans public static int answer = final static answer = 42 int answer	wer = 4		thin the body of an interface?	
82	A pa (1) (3)	ckage is a collection of Classes Classes and interfaces		(2) (4)	Interfaces Editing tools and interfaces	
83	<< is			(2)	F 54	
	(1) (3)	Special operator Bitwise operator		(2) (4)	Arithmetic operator Conditional operator	
84		_	e declara	tions	would NOT compile in a java	
	prog (1)	ram ? int var;		(2)	int VAR;	
	(3)	int 1_var;.		(4)	int var_l	
85		exception types are subclas	sses of t			
	(1) (3)	Exception Throwable		(2) (4)	RuntimeException None of the above	
86	(1) (2)	Automatic conversion of Automatic conversion of Wrapping a variable in class in package	primitiv wrapper lass			
02/0	COM	P-2 A]	11		[Contd	

87	Which of these classes provide methods for writing binary representations of Java primitive values			
		DataOutputStream	(2)	FileOutputStream
	(3)	ObjectOutputStream	(4)	PrintStream
88	Hov	v many methods are defined in th	e Seria	alizable interface ?
	(1)	One	(2)	Two
	(3)	None	(4)	Four
89		at is byte code in the context of J		
	(1)	The type of code generated by		•
	(2)	The type of code generated by		
	(3) (4)	It is another name for a Java so It is the code written within the		
	, ,	,		
90		ch of the following JSP variab ression?	les are	e not available within a JSP
	_	ect the one correct answer.		
	(1)	out	(2)	session
	(3)	request	(4)	httpsession
91	Whi	ch of the following is incorrect?		
	(1)	Private variable will only be ac	cessible	e in class
	(2)	Protected can be accessible in n		
	(3)	Protected member is accessible		
	(4)	Default can be used in another	ciass o	ы зате раскаде
92		ch expression will extract the s	ubstrir	ng "cde" given the following
		aration String str = "abcdef"	(2)	str substring(2.3)
	(1) (3)	str.substring(2,2) str.substring(2,4)	(2) (4)	str.substring(2,3) str.substring(2,5)
	(3)	50.5000th (g(2, 1)	(')	3ti.3do3tim _B (2,2)
93	Whi	ch of the following is not true ab	out Ap	oplet class?
	(1)	Package java.awt contains some	super	class of applet
	(2)	It can be viewed in browser	1 '	
	(3)	Using applet we cannot process Event handling can be used in a	_ ,	ics
	(4)	Event handling can be used in a	appier	
94	Whi	ch of the following statements ab	out Ge	enerics is correct ?
	(1)	Generics are typed subclasses	of the	classes from the Collections
	(-)	framework.		
	(2)	Generics are used to parameteriz static type checking.	e the c	collections in order to allow for
	(3)	Generics can be used to perfor	m type	e checking of the objects in a
	(4)	collection at runtime. Generics can be used to iterate	over a	complete collection in an easy
	` /	way, using the 'enhanced for' lo-		
02/	COM	[P-2_A] 12		[Contd

95	Whic	h of the following define the rul	es for	Net Languages?
	(1)	GAC	(2)	CLS
	(3)	CLI	(4)	CLR
96	To go	et an object of the Print Writer of	lass, w	e use the get Writer() method
	(1)	HttpServletRequest	(2)	HttpServletResponse
	(3)	SessionContext	(4)	HupSession
97	Whic	th of the following is faster and	consun	ne lesser memory?
	(1)	SQLDataReader	(2)	Data Set
	(3)	Both (1) and (2)	(4)	None
98	Whic	h of the following authentications i	s best s	uited for a corporate network?
	(1)	Windows	(2)	Form
	(3)	User	(4)	All
99	An e	xample of a Network layer is		
	(1)	Internet Protocol (IP) – ARPAN		
	` '	X.25 Packet Level Protocol (PL	,	
	(3)	2	ung –	USENET
	(4)	All of these		
100		P (Internet Control Massage Prot		
		A Protocol that handles error ar		
		A Protocol used to monitor con	iputers	
	` '	Both (1) and (2) None of these		
	(4)	None of these		
101	Whic	th is a <u>reserved word</u> in the Java	a progr	
	(1)	method	(2)	
	(3)	subedar	(4)	reference
102	Whic	th is valid declaration of a float	?	
	(1)	float $f = 1F$;	(2)	•
	(3)	float $f = "1"$;	(4)	float $f = 1.0d$;
103	What	t is numerical range of char?		
	(1)	0 to 32767	(2)	0 to 65535
	.(3)	–256 to 255	(4)	-32768 to 32767
104	Func	tions and procedures are:		
	(1)	not useful in designing compute	-	ems
	(2)	old fashioned and they are not		
	(3)	useful in designing computer sy		10 41
	(4)	have side effects which require subsystems	special	care if they are used as
02 / 6	~∩M∩	P-2 A] 13		[Contd
~ / L				Cuitum

	105	By polymorphism of a subsystem we (1) it should be reusable		
		(2) it should have polymorphic data		
		(3) it should accept generic comman	nds and	d interpret appropriately
		(4) it should morph polygons		
	106	In UML diagram of a class		
		(1) state of object can not be repres	ented	
		(2) state is irrelant		
		(3) state is represented as an attribu		
		(4) state is represented as a result o	t an o	peration
	107	I I J II		•
		(1) has side effects	(2)	has no side effects
		(3) changes the state of an object	(4)	is not allowed
	108	An exception thrown from outside try	block	will
		(1) call function return	(2)	be ignored
		(3) hang the machine	(4)	call function terminate
	109	An exception is caused by		
		(1) A hardware problem		
		(2) A problem in the operating system	em .	
		(3) A run time error		
		(4) A syntax error		
	110	In object oriented design		
		(1) operations and methods are ider		
		(2) methods specify algorithm where be done	eas ope	erations only state what is to
		(3) methods do not change values of	f attrib	outes
		(4) methods and constructor are san		,
	111	By encapsulation in object oriented m	odelin	g we mean
•		(1) encapsulating data and programs		
		(2) hiding attributes of an object from		rs
		(3) hiding operations on object from		
		(4) hiding implementation details of	metho	ds from users of objects
	112	Inheritance in object oriented modeling	g can	be used to
				specialize classes
		(3) generalize and specialize classes	(4).	create new classes
	02/0	COMP-2_A] . 14		[Contd

02/	COMP-2_A]	15	[Contd					
	(3) both (1) and (2)	(4)	none of these					
	(1) physical	(2)	logical					
120	an object.							
120	In visual programming, the icons are the image of							
	(4) All of the above	2						
	(3) A variable that stores address of other variable							
	(2) A variable that stores address of an instruction							
	(1) A keyword used to create variables							
119	A pointer is							
	(3) two arguments	(4)	arbitrary no. of arguments					
	(1) no argument	(2)	-					
118	,							
		()	J 1 J					
	(3) private	(4)						
117	The members of a cla (1) public	ass, by detault are (2)	protected					
117	The median C 1							
	(3) operator overloa	ading (4)	function overloading					
	(1) friend function	(2)	virtual function					
116	Run time polymorphism is achieved by .							
	(4) usually make us	e of a constructor tha	i takes arguments					
	(3) allow you to create objects that act syntactically like functions(4) usually make use of a constructor that takes arguments							
	- · · ·	with an overloaded()						
	•	with an overloaded of	-					
115	•	Overloading the function operator						
	,							
	(3) secure	(4)						
114	Which is not an attribute of cookie property? (1) path (2) host							
114	Which is not on attrib	uta of cookia propert	v 9					
	(4) use of similar of	perations to do simila	r things					
	(3) use of polymorp	phic operations						
	only their comm	on properties	_					
	• /	•	fferent distinct classes knowing					
	, , , ,	•	ifferent distinct classes					
113	By polymorphism in o	by polymorphism in object offenced modeling we mean						



Programmer Exam : 2013 : Paper-II : Key



PROGRAMMER EXAM: 2013: ANSWER KEY: PAPER-II

QUESTION	ANSWER	QUESTION	ANSWER	QUESTION	ANSWER
1.	DELETE	41.	3	81.	4
2.	4	42.	2	82.	3
3.	1	43.	3	83.	3
4.	3	44.	3	84.	3
5.	3	45.	4	85.	3
6.	4	46.	DELETE	86.	1
7.	4	47.	4	87.	1
8.	3	48.	4	88.	3
9.	1	49.	3	89.	(1)
10.	1	50,	2	90.	4
11.	4	51.	3	91.)/	2
12.	1	52.	2	92.	4
13.	2	53.	16	93.) 1
14.	2	54.	4	94.	2
15.	2	55.	3	95.	2
16.	2	56.	3	96.	2
17.	4	57.	2	97.	1
18.	3	58.	3	98.	2
19.	4	59.	2	99.	4
20.	2	60.	1	100.	1
21.	1	61.	1 0	101.	2
22.	3	62.	4	102.	1
23.	1	63.	4 4	103.	2
24.	3	64.	3	104.	4
25.	3	65.	DELETE	105.	3
26.	2	66.	4	106.	3
27.	4	67.	4	107.	2
28.	2	68.	<u></u>	108.	4
29.	1	69.	4	109.	3
30.	2	70.	2	110.	2
31.	4	₹ 71. <	1	111.	4
32.	3	72.	3	112.	3
33.	1//	73.	1	113.	2
34.	1 5	74.	1	114.	2
35.	1 *	75.	1	115.	1
36.	1 *	76.	4	116.	2
37.	1	77.	1	117.	3
38.	2	78.	3	118.	2
39.	4	79.	2	119.	3
40.	4	80.	2	120.	3