53/2019

Question Booklet Alpha Code



Question Booklet Serial Number 175817

Total Number of questions: 100

Time: 75 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
- The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is unnumbered, please get it replaced by new question booklet with same alpha code.
- The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.





	is comparable to pair of pe	rsons	in a room taking turns to speak with
	Time Division Multiplexing	(B)	Eroquongu Division Multiploving
	Code Division Multiplexing	(D)	
		. ,	
	ich one of the following error detecting		
	Checksum	(B)	Parity
(C)	Cyclic Redundancy Checks	(D)	None of these
003. The	encryption algorithm for WPA2 is bas	ed on	
(A)	DES	(B)	AES
(C)	Elliptic curve	(D)	El Gamal
		al net	work topology into different logical
	ologies.		
(A)	WiMAX	(B)	WLAN
(C)	Adhoc Network	(D)	VLAN
005. Wh	ch one of the following is not a Netwo	ork lay	ver protocol?
(A)	ТСР	(B)	ICMP
(C)	ARP	(D)	DHCP
006. Sel	ect the service which is not provided b	v the	Transport Laver.
	Congestion control	(B)	
(C)	Flow control	(D)	Error correction
007	is not a Linux file system typ		
	Ext4 (B) Jfs	(C)	XFS (D) ReFS
	IEEE standard for WiMAX is	(C)	XFS (D) ReFS
	802.11 (B) 802.15	101	802.15.1 (D) 802.16
	is not a Web Server.	(C)	802.15.1 (D) 802.16
	IIS	(B)	Apache
	Firefox	(D)	Nginx
		200	
	enial of service attack against a netw e of threat?	vork b	pelongs to which one of the following
		(5)	
	Modification	(B)	Interception
(C)	Interruption	(D)	None of these

A					
011.		caches web pages on	the server l	nard disk so that they can be qu	lickly
	retrie	eved later.			
	(A)	File Server	(B)	Proxy Server	
	(C)	Web Server	(D)	None of these	
012.		is not an active attack	in Network	Security.	
	(A)	Traffic Analysis	(B)	Masquerade	
		Replay	(D)	Denial of Service	
013.			relative inde	ependence among modules.	
013.		Cohesion	(B)		
		Patterns	(D)	Modularity	
				nte equivalence partitioning and	leads
014.	The	test-case design technique the he selection of test cases at the	edges of th	nts equivalence partitioning and e class.	
			(B)		
		Orthogonal array testing Boundary value analysis		Condition testing	
	(C)	Boundary value arraiysis			cludes
015	. The	e framework activity that present ivery, support and feedback.	ts software i	ncrement to the customer and in	
		Communication	(B)	Planning	
	AL TOTAL	Modelling	(D)	Deployment	
	(C)			and an individual initiative of th	ne team
016			sely and dep	pends on individual initiative of the	
	The same	embers.	(B)	Open paradigm	
	(A)		(D)	attende	
	(C)		lave		
017		e W⁵HH principle is suggested	(B)	Grady Booch	
) Reel	(D)		
) Liu			called
		I'L strie that provides her	nefit at both	the project and process level is	called

- (A) Defect removal efficiency
- (B) FP

(C) LOC

- (D) Use-case points
- 019. The prioritized list of project requirements or features which provides business value for the customer.
 - (A) Sprints

(B) Demos

(C) Backlog

States (D)



020.		is an agile process model t	hat p	rovides a framework for building and		
	maintaining systems which meet tight time constraints through the use of incremental					
	prototyping.					
	(A)	Adaptive software development				
	(B)	Dynamic systems development met	nod			
	(C)	Scrum model				
	(D)	Crystal				
021.	The	small, highly motivated and self-orga	nizing	project team is called		
	(A)	Stakeholders	(B)	Team leaders		
	(C)	Agile	(D)	Mavericks		
022.		is also called behavioural tes	ting,	focuses on the functional requirements		
	of th	ne software.				
	(A)	Black box testing	(B)	White box testing		
	(C)	Basis path testing	(D)	Data flow testing		
023.	Use	d to show the dynamic communication	s betv	ween objects during execution of a task.		
	(A)	Class diagram	(B)	Deployment diagram		
	(C)	Use-case dlagram	(D)	Sequence diagram		
024.		ew technology that emphasizes the rce code.	desig	n of test cases before the creation of		
	(A)	Agile process	(B)	Test-driven development		
	(C)	Postmodern design	(D)	Model-driven software development		
025		ch is a technique in Java in which a differ in parameter lists?	class	can have any number of constructors		
	(A)	Constructor overloading	(B)	Method overloading		
	(C)	Operator overloading	(D)	None of the above		
026	. Whi	ch method is used to change the nam	ne of a	a thread?		
	(A)	public String getName()				
	(B)	public void setName(String name)				
	(C)	public void getName()				
	(D)	public String setName(String name)				



027. Which	statement provio	des an	easy way to n expression	dispat	tch execution to different parts of your
(A) If				(B)	Switch
	Nested-if			(D)	if-else-if
028. Which	keyword is us	ed to	make the kage?	classe	s and interface of another package
(A) I	mport			(B)	Implements
(C) I	nstanceof			(D)	None of the above
029. Which		Input	Stream class	reads	a line from the file and returns it as a
(A)	WriteInt()			(B)	readInt()
(C)	readLine()			(D)	writeDouble()
030. Unde	r which package	Is the	string class	encap	sulated?
(A)	java.awt			(B)	java.util
(C)	java.io			(D)	java.lang
031. A cla	ss is declared in	ide a	class but out	side a	method it is known as
(A)	Anonymous Inne	er clas	s	(B)	Member Inner class
(C)	Local Inner class			(D)	Static nested class
032. JVM	stands for?				
(A)	Java Very Large	Mach	ine	(B)	Java Verified Machine
(C)	Java Very Small	Mach	ine	(D)	Java Virtual Machine
033. Wha	t type of constru	ctor is	used to prov	/lde di	fferent values to the distinct objects?
	Default constru			(B)	
(C)	Overloading co	nstruc	tor	(D)	None of the above
034. How	many types of c	ontrol	s does AWT	suppo	ort?
(A)			6		5 (D) 8
035. Whi	ch type of inherit	ance	one super-cla	ass ha	ve more than one sub-class?
	Hierarchical inh			(B)	
(C)	Multiple inherit			(D)	Multilevel inheritance



036. Wh	ich allows you to define one interface	and h	ave multiple implementations?
(A)	Encapsulation	(B)	Inheritance
(C)	Polymorphism	(D)	None of the above
037. Wh	ich right shift operator preserves the s	sign o	f the value?
(A)	<<	(B)	>>
(C)	<<=	(D)	>>=
038. Wh	nat is it called if an object has its own li	fecyc	le and there is no owner?
(A)	Aggregation	(B)	Composition
(C)	Encapsulation	(D)	Association
039. WI	nat is the return type of Constructors?		
(A)	int	(B)	float
(C)	void	(D)	none of the mentioned
040. WI	nich of these is an incorrect array decla	aratio	1?
(A)	int arr[] = new int[5]	(B)	int [] arr = new int[5]
(C)	int arr[] = int [5] new	(D)	int arr[] = new int[5]
041. Fro	om where break statement causes an	exit?	
(A)	Only from innermost loop	(B)	Terminates a program
(C)	Only from innermost switch	(D)	From innermost loops or switches
042. WI	nich of these can be used to fully abstr	act a	class from its implementation?
(A) Objects	(B)	Packages
(C)	Interfaces	(D)	None of the mentioned
	nich of these keywords are used for the try block?	ne blo	ck to handle the exceptions generated
(A) try	(B)	catch
(C)	throw	(D)	check
044. WI	nich one is a valid declaration of a boo	lean?	
(A) boolean b1 = 1	(B)	boolean b2 = 'false'
(C)	boolean b3 = false	(D)	boolean b4 = 'true'

A

045.	Whic	ch of the following is a valid decid and	01010	in object of diagonal
	(A)	Box obj = new Box()	(B)	Box obj = new Box
	(C)	obj = new Box()	(D)	new Box obJ
046.	Whi	ch of these is supported by method of	verrid	ing in Java?
		Abstraction	(B)	Encapsulation
	(C)	Polymorphism	(D)	None of the mentioned
047.	Wha	at is the output of this program?		
	clas	s selection_statements		
	{			
	ри	ablic static void main (String args[])		
	{			
		int var1 = 5;		
		int var2 = 6;		
		if ((var2 = 1) == var1)		
		System.out.print(var2);		, the manufacture and the
		else		
		System.out.print(++var2);		
	}			
	(A)	1	(B)	2
	(C)	3	(D)	4
04	8. A d	class member declared protected bec	omes	a member of subclass of which type?
		public member	(B)	
	(C)	protected member	(D)	private member
04	9. WI	nich of these is not a bitwise operator	?	
	(A) &	(B)	&=
	(C) =	(D)	<=
05	0. Th	read priority in Java is		
	(A	nteger	(B)	Float
	(0) double	(D)) long



051	White	ch of these methods is a part of Abstr	act W	/Indow Toolkit (AWT)?
001.		display()	(B)	paint()
		drawString()	(D)	
050				
052.		e the browser should leave surround		ecifies the amount of horizontal blank ne applet.
		SPACE=pixels	(B)	HSPACE=pixels
	(C)	HWIDTH=pixels	(D)	HBLANK=pixels
053.	The	method is defined by the	AWT	which causes the AWT runtime system
		xecute a call to your applet's update(
	(A)	update()	(B)	paint()
	(C)	repaint()	(D)	reupdate()
054.		package in java contents la	ngua	ge utility classes such as vectors, hash
	tabl	es, random numbers date etc.		
	(A)	java.util	(B)	java.awt
	(C)	java.net	(D)	java.lang
055	HTN	AL stands for		
	(A)	Hyper Text Markup Language	(B)	Hyper Text Making Language
	(C)	Hyper Text Markup Links	(D)	None of the above
056	. The	capability to store one object inside	anoth	er object is called
	(A)	Encapsulation	(B)	Aggregation
	(C)	Polymorphism	(D)	Inheritance
057.	Res	ult of getAllResponseHeaders() XMLH	нттр	Request method is
	(A)	Returns the complete set of HTTP h	eade	rs as a string
	(B)	Returns the value of the specified H	TTP I	neader
	(C)	Both (A) and (B)		
	(D)	None of the above		
058	. WA	MP variant for MAC Operating System	n is	
	(A)	LAMP	(B)	MAMP
	(C)	SAMP	(D)	None of the above

Name and Post Office of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whe								
059.	DNS	comprises						
	(A)	Domain Names and Name server	Domain Names and Name server					
	(B)	Domain Names and Domain Name S	pace					
	(C)	Domain Names, Domain Name Space	e and	Name Server				
	(D)	All of the above						
060.	Late	st web browser of Microsoft?						
	(A)	Internet Explorer	(B)	Opera				
	(C)	Safari	(D)	Edge				
061.	TCP	/IP stands for						
	(A)	Transmission Control Protocol/Intern	et Pro	otocol				
	(B)	Transfer Control Protocol/Internet Pr	otoco	1				
	(C)	Both (A) and (B)						
	(D)	None of the above						
062	Pack	ket switching method is used in						
	(A)	TCP	(B)	UDP				
	(C)	Both (A) and (B)	(D)	None of the above				
063	Whi	ch layer uses error control mechanism	in O	SI?				
	(A)	Network Layer	(B)	Data Link Layer				
	(C)	Transport Layer	(D)	Application Layer				
064	. ISDI	N is an example of netwo	ork					
	(A)	Circuit Switched Telephone Network						
	(B)	Packet Switched Network						
	(C)	Message Switched Network						
	(D)	None of the above						
065	. Wha	at is the maximum cable length of STF	?					
	(A)	300 m	(B)	200 m				

(D) 150 m

(C) HTTP

(C) 100 m

(A) SMTP

066. Application layer uses the following protocols:

(B) FTP

All of the above

(D)



067	7. To	define style sheet rules in header sec	tion o	of the HTML document called
	(A)		(B)	Internal Style Sheet
	(C)	Inline Style Sheet	(D)	None of the above
068	3. The	Application server for Java Web App	olication	ons is
	(A)	JBoss	(B)	Glassfish
	(C)	Weblogic	(D)	Tomcat
069	. The	protocol used to send email from on	e to a	nother
		POP3	(B)	HTTP
	(C)	SMTP	(D)	FTP
070	. Con	nmonly used web applications that m	ake u	se of AJAX
	(A)	Google Map	(B)	Yahoo Maps
	(C)	Gmail	(D)	All of the above
071.	IISs	stands for		
	(A)	International Information Standards	(B)	International Information Services
	(C)	Internet Information Standards	(D)	Internet Information Services
072.	The	attribute of an HTML tag can be used IL page is	d to u	niquely identify any element within an
	(A)	id	(B)	Title
	(C)	Class	(D)	Style
073.	Asn	hall area can use the following network	rk:	
	(A)	LAN	(B)	WAN
	(C)	MAN	(D)	None of the above
074.	The	attribute is used to specify the URL	of th	ne document that occupies the inline
	(A)	frame	(B)	sup
	(C)	src	(D)	span
075.	НТМ	L form control tag is		
	(A) *	File select boxes	(B)	Text input controls
	(C)	Checkboxes Controls	(D)	All of the above

Name (Construction			
076. Clien	t Software that is used for email retrie	eval	
(A)	IMAP	(B)	нттр
(C)	DHCP	(D)	ICMP
077. The r	number of sub keys generated by IDE	A alg	orithm is
(A)	64	(B)	32
(C)	54	(D)	52
078.	is an example of public key a	lgorit	thm
	DES	(B)	RSA
	IREA	(D)	RCS
		2	
	signature uses which hash algorithm		SHA-1
	MD5	(B)	Does not use hash algorithm
(C)	SHA-2	(D)	Does not use hash algorithm
080. In as	symmetric key cryptography the priva	te ke	y is kept by
(A)	sender	(B)	receiver
(C)	sender and receiver	(D)	cryptanalyst
081. Wha	at is Data Encryption Standard (DES)?		
(A)	Block cipher	(B)	Stream cipher
(C)	Bit cipher	(D)	None of the above
082 In c	ryptography, the order of the letters in	n a m	essage is rearranged by
	Transposition ciphers	(B)	
(C)	Both (A) and (B)	(D)	None of the above
		fcinh	ner text C, if the plain text M=5 and P=3,
	and d=7?	i cipi	text of the point
(A)		(B)	25
(C)	26	(D)	32
		ont in	nformation from the merchant.
084			
(A)		(B)	
101	SHTTP	(1)	131



(085.	The	URL property belongs to which of the	follow	wing object?
		(A)	Document	(B)	Element
		(C)	Location	(D)	Event
(086.	Whi	ch of the following attribute can hold t	he Ja	vaScript version?
		(A)	Language	(B)	Script
		(C)	Version	(D)	None of the above
1	087.	Whi	ch event occurs when user clicks on a	n HTI	ML element?
		(A)	onclick()	(B)	onmouseclick()
		(C)	onchange()	(D)	onmouseover
	088.	<scr< td=""><td>ipt language ="javascript"></td><td></td><td></td></scr<>	ipt language ="javascript">		
		Fun	ction x()		
			(
			Document.write(2+0+"4");		
)		
		<td>ript></td> <td></td> <td></td>	ript>		
		(A)	204	(B)	2
		(C)	Error	(D)	24
	089	. Wha	at is the value of \$a and \$b after the f	unctio	on call?
			php</td <td></td> <td></td>		
			function doSomething(&\$arg)		
			(
			\$furit = \$arg;		
			\$arg +=1;		
			return \$fruit;		
)		
			\$a = 3;		
			\$b = doSomething(\$a);		
			?>		
		(A)	a is 3 and b is 4	(B)	a is 4 and b is 3
		(C)	both are 3	(D)	both are 4



(A) PHP 4 (B) PHP 5 (C) PHP 5.3 (D) PHP O91. Which one of the following statements Instantiates the mysqli class? (A) mysqli = new mysqli() (C) \$mysqli → new.mysqli() (D) \$mysqli = new mysqli() (C) \$mysqli → new.mysqli() (D) \$mysqli = new mysqli() (D) \$mysqli = new mysqli() (E) mysqli → new.mysqli() (D) \$mysqli = new mysqli() (E) mysqli → new.mysqli() (E) mysqli → new.mysqli() (D) \$mysqli = new mysqli() (E) \$mysqli → new.mysqli() (E) \$mysqli = new mysqli() (E) \$mysqli → new.mysqli() (D) \$mysqli = new mysqli() (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (D) \$mysqli = new mysqli() (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (D) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (D) All of the above (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (D) All of the above (E) \$mysqli → new.mysqli() (D) All of the above (E) \$mysqli → new.mysqli() (D) All of the above (E) \$mysqli → new.mysqli() (E) \$mysqli → new.mysqli() (D) Candidate Key (D) Candidate	090. 1	Which version of PHP was added with	Excer	ption handling?
(C) PHP 5.3 (D) PHP O91. Whilch one of the following statements instantiates the mysqli class? (A) mysqli = new mysqli() (B) mysqli → new.mysqli() (C) \$mysqli → new.mysqli() (D) \$mysqli = new mysqli() O92. Using which of the following way can you embed PHP code in an HTML page? (A) php PHP code goes here ? (B) PHP code goes here ? (C) <script language="php"> PHP code goes here </script> (D) All of the above O93. Referential Integrity is directly related to (A) Relation Key (B) Foreign Key (C) Primary Key (D) Candidate Key O94. Consider a schema R (P, Q, R, S) and functional dependencies P → Q and R → S. Then the decomposition R1 (P, Q) and R2 (R, S) is (A) Dependency Preserving and lossless join (B) Lossless join but not dependency preserving (C) Lossless Join (D) Dependency preserving but not lossless join O95. The normalization of 1NF relations to 2NF involves (A) Removal of full dependencies (B) Removal of partial dependencies (C) Removal of partial dependencies (C) Removal of multivalued dependencies (D) Removal of multivalued dependencies O96. An attribute A of data type varchar(20) has the value "Ram". The attribute B of data type char(20) has value "Ramu". Here attribute A has spaces and attribute B has spaces. (A) 3, 4 (B) 20, 4 (C) 20, 20 (D) 3, 20		(A) PHP 4		
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	(C)	20, 20		
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097. E-R model uses this symbol to represent weak entity set.				
	(A)	Dotted Rectangle	(B)	Doubly Dotted Rectangle
	(C)	Double lined Rectangle	(D)	Rectangle
098. Data mining is used to aid in				
	(A)	operational management		
	(B) analysing past decision made by managers			
	(C)	detecting patterns in operational da	ta	
	(D)	retrieving archival data		
099 helps solve concurrency problem.				
	(A)	two-phase commit	(B)	transaction serializability
	(C)	locking	(D)	transaction monitor
100 cursor are declared by ORACLE for each UPDATE, DELETE and INSERT				
SQL commands				
	(A)	Internal	(B)	External
	(C)	Implicit	(D)	Explicit