Mumbai Educational Trust Institute of Information Technology Java Part

1: Java compiler com (a) object	npiles source code into files (b) shared object	(c) class					
	translates byte codes into mach (b) Compiler	ine instructions. (c) Runtime Library					
	primitive types in Java type system (b) 8	n. (c) 12					
4: In Java, every us (a) always a reference (c) either a reference		(b) always a value					
5: Java offers a (a) SmallTalk	like but more consistent syntax (b) C++	x. (c) Pascal					
6: Java long data-typ (a) 16	pe identifies abit integer va (b) 32						
	represented in Java usingt (b) an interface						
	port pointer type because it is (b) non-verifiable	(c) non-controllable					
9: In Java the memo (a) on heap	ory for an instance of a reference type (b) on stack	pe is always allocated (c) in data-section					
10: Garbage collector is responsible for memory blocks assigned to instances of reference types when they're no longer reachable.							
(a) deleting		(c) recycling					
	sentation of class insurance.Policy is (b) insurance/Policy.class	s loaded by default from path (c) policy/Insurance.class					
12: A member of a Java class declaredmodifier is visible only to other classes in the							
same package. (a) without any	(b) with protected	(c) with public					
13:stateme (a) package		ass name to its fully qualified name. (c) export					
14: In Java statemer (a) try-catch	nt is used for actually raisi (b) throws	ng an exception. (c) throw					
	ultimately inherits from(b) java.lang.Class	class. (c) java.lang.Object					
	not defined in java.lang.Ob (b) compareTo						

17: Object (a) identity	_ indicates whether two objects refer to the same instance in the memory. (b) equality (c) comparability						ory.				
18: An interface can (a) a static field	define (b) an instance field (c) a parameterless constructor										
19: The modifier is illegal in an interface. (a) final (b) private					(c) abstract						
20: A class can inher (a) a single interface (b) multiple interface (c) a single class and	and mes and	ultiple multiple	classes e classe	es							
ANSWERS: 1 C							8 B	9 A	10 C	11 B	12 A
13 B 14 C	15 C	16 B	17 A	18 A	19 B	20 C.					
Q1: Complete the f	ollowi	ng sta	temen	ts choo	sing t	he cor	rect al	ternat	ive		
1: Converting a primitive value type into an object of its wrapper class type is called (a) casting (b) boxing (c) unboxing									·		
2: The wrapper class (a) java.lang.Byte							(c) ja	va.lang	.Charac	ter	
3: The type argument in a generic Java declaration is replaced by at runtime (a) java.lang.Object (b) java.lang.Comparable (c) compile-time substituted type											
4: For a generic class C, C <java.lang.object> can be substituted (a) by C<t> where T is any known type (b) by any reference type (c) only by C<java.lang.object></java.lang.object></t></java.lang.object>											
5: If X <t> is a gene (a) X type</t>	ric clas	s then (b) X	only me in which	embers n T is re	of eturn ty	ca pe	an be a (c) X	pplied in whic	to decla h T is a	ration) parame	 eter
6: In order to support (a) java.lang.Iterable	rt for-e e <e></e>	ach iter (b) jav	ration a va.util.I	class r terable	nust im <e></e>	plemer	nt (c) ja		terface. Iterator	<e></e>	
7: In the following in (a) java.util.ArrayLis	npleme t	ntation (b) jav	s of jav va.util.ŀ	a.util.C HashSet	Collectio t	n,	p (c) ja	rovides va.util.	fast sea TreeSet	arching	
8: interface (a) java.util.List					tion for	get me		va.util.	Мар		
9: interface (a) java.util.List			-	_	Iterable	!	(c) ja	va.util.	Мар		
10: By default only of java.util.TreeSet										-	of
(a) java.util.Compara							. , -		iterator		
11: A functional inte(a) at least					one ab	stract r		most			
12: A method refere (a) ->	nce is o	btaine (b) =			oper	ator.	(c) ::				
13: Lambda express abstract method: lor					a functi	onal int	erface	which	defines	followin	ıg
(a) $x \rightarrow x * x$							(c) (x	(, y) ->	x > y		

14: In Stream API, (a) forEach	method performs a terminal operate (b) filter					ition. (c) map					
15: enables a program to examine the structure of its object at runtime. (a) abstraction (b) polymorphism (c) reflection											
16: The java.lang.Class for determined using			·				iable n	can be			
(a) n.getClass()	n.getClass() (b) Class.forName(n)					(c) n.class					
17: In binding me (a) static		(c) late									
18: An annotation with retention can be examined us (a) RUNTIME (b) CLASS											
19: On Linux, System.loadLibrary("series") will look for(a) series.so (b) series.dll						in java.library.path. (c) lib series.so					
20: The first parameter in a	C++ fund	ction which	n implen	nents a	static r	native n	nethod i	s of			
type. (a) JNIEnv*	(b) jclass	6			(c) jobject						
ANSWERS: 1 B 2 C	3 A 4	C 5 B	6 A	7 C	8 B	9 C	10 A	11 B	12 C		
13 B 14 A 15 C	16 B 1	7 C 18 A	19 C	20 A							
Q1: Complete the followi	Q1: Complete the following statements choosing the correct alternative										
1: The code that a thread executes is passed to it through an object of type. (a) java.lang.Thread (b) java.lang.Runnable (c) java.lang.Object											
2: A background thread has its (a) daemon property set to true (b) daemon property set to false (c) priority property set to zero											
3: The run method of thread t1 calls join method of thread t2, then (a) t1 waits for t2 to exit (b) t2 waits for t1 to exit (c) t1 waits for t2 to notify											
4: java.lang.Thread.sleep() will pause the current thread for 3 minutes (a) 3 (b) 180 (c) 180000											
5: enables a caller of a method to resume execution before that method returns. (a) synchronization (b) asynchrony (c) parallelism											
6: can acquire monitor of an object to execute a block of code synchronized on that (a) only one thread (b) at most 2 threads (c) only daemon threads											
7: operation of stream splits the stream into a number of streams indicated by number of											
hardware processors. (a) split	(b) para	illel			(c) ra	nge					
	Platform provides for enabling an application to persist data. Threads (b) Sockets (c) Files										
9: The method of java.io.InputStream returns the number of bytes that can be read from											
the stream without blocking (a) length	g. (b) available					(c) size					

ANSWERS: 1B 2 A	3 A 4 C 5 B 6 A	7 B 8 C 9 B 10 A 11 C 12 C
20: HTTP request with (a) GET	verb is sent for updatin	g a resource on the server. (c) POST
19: An instance field of a clobjects.(a) private	lass defined with mo (b) static	difier is not included in serialization of its (c) transient
• •	ialization for its objects, a cla (b) java.io.ObjectOutput	ass must implement interface. (c) java.io.Persistent
	des support for a TCP listener (b) ServerSocket	
	s also called address. (b) broadcast	
15: is an example (a) Ethernet	of hardware type specific link (b) IP	c protocol. (c) HTTP
14: socket is esser (a) TCP	ntially a stream socket. (b) UDP	(c) ICMP
13: The largest possible va (a) 1024	lue for a TCP port address is (b) 65535	 (c) 65507
12: The size of IPv6 addres (a) 32	ss is bits. (b) 64	(c) 128
11: Support for random-ac (a) java.lang		n Java through package (c) java.io
not exist. (a) create a new file named (c) truncate file info.txt		(b) throw java.io.FileNotFoundException
10: The operation new java	a.io.FileOutputStream("" info	o.txt" ") will if file " info.txt" does

13 B 14 A 15 A 16 C 17 B 18 A 19 C 20 B