



Benha University
Faculty of Science

Subject : Selected Topics in Computer
Code : 355 mc
Time : 2 hours
Date : 1/1/2020
Examiner: Dr. Gamal Mosa

First Semester Level three

جامعة بنها - كلية العلوم - قسم الرياضيات

المستوى الثالث

يوم الامتحان: السبت 1 / 1 / 2020 م

المادة : موضوعات مختارة فى الحاسب (1) 355 رس

الممتحن: د . / جمال احمد موسى

مدرس بقسم الرياضيات بكلية العلوم

الامتحان + نموذج إجابته

ورقة كاملة



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Answer the following questions: (48 marks)

1.	Which of the following is a valid identifier?			
	A. \$ 343	B. class	C. 9X	D. r_radius
2.	Extra white-spaces, tabs, and lines are....., but they could help you and your readers to better understand.			
	A. important	B. integer	C. ignored	D. variables
3.	Which of the following is the platform for TV?			
	A. Java EE	B. Java language	C. Java ME	E. Java SE
4.	Which of the following are correct ways to declare variables?			
	A. int length; int width,	B. int length, width;	C. int length; width;	D. int length, int width;
5. are functions called during the creation of an object			
	A. Methods	B. Import	C. Constructors	D. Expressions
6.	Which of the following assignment statements is correct?			
	A. int f=(float) 34;	B. int t =(long) 23.25;	C. float t = (int)4.5;	D. int t = 4.5;
7.	To writ End-line Comment, we use			
	A. /*.....	B. //.....//	C. /*.....*/	D. //.....
8.	Which of the following code displays the area of a circle if the radius (r) is not positive?			
	A. if (r != 0) System.out.println(r*r* 3.14);		B. if (r >= 0) System.out.println(r*r* 3.14);	
	C. if (r > 0) System.out.println(r*r* 3.14);		D. if (r <= 0) System.out.println(r*r* 3.14);	
9.	The keyword defines where this class lives relative to other classes			
	A. package	B. import	C. class	D. Methods
10.	Analyze the following code: <pre>boolean even = false; if (even = true) { System.out.println("It is even");}</pre>			
	A. The program has a compile error	B. The program has a runtime error.	C. The program runs fine, but displays nothing	D. The program runs fine and displays It is even
11.	The ----- method immediately terminates the program.			
	A. System.terminate(0);	B. System.exit(0);	C. System.quit(0);	D. System.stop(0);
12.	Which of the Boolean expressions below is incorrect?			
	A. (true) && (3 >= 4)	B. !(x > 0) && (x > 0)	C. (x != 0) (x > 0)	D. (-10 < x) (x = 10)
13.	Suppose x=10 and y=10 what is x after evaluating the expression <pre>(y >= 10) && (x-- > 10).</pre>			
	A. 9	B. 10	C. 11	D.



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14.	The keyword calls other classes or groups of classes that you are using in your class			
	A. package	B. import	C. class	D. Methods
15.	Each variable can not be declared more than time.			
	A. non	B. one	C. two	D. zero
16.	Is the following loop correct? for (; ;);			
	A. yas	B. no	C.	D.
17.	The of a variable can be changed inside the program.			
	A. value	B. type	C. number	D. name
18.	Is the following loop correct? for (int i=-1;i<= 10 ;i++) { }			
	E. yas	F. no	G.	H.
19.	How many times will the following code print "Welcome to Java?" int count = 9; while (++count < 10) { System.out.println("Welcome to Java");}			
	A. 8	B. 9	C. 10	D. 0
20.	How many times is the println statement executed? for (int i = 0; i < 10; i++) for (int j = 0; j < i; j++) System.out.println(i * j)			
	A. 100	B. 20	C. 10	D. 45
21.	Suppose your method does not return any value, which of the following keywords can be used as a return type?			
	A. int	B. void	C. public	D. None of them
22. type uses 8 byte to store data.			
	A. A byte	B. A float	C. A long	D. An int
23.	The signature of a method consists of ----- .			
	A. method name	B. name and parameter list	C. return type, method name, and parameter list	D. parameter list
24.	All Java applications must have a method ----- .			
	A. public static main(String[] args)	B. public static Main(String args[])	C. public static void main(String[] args)	D. public void main(String args[])



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25.	When you invoke a method with a parameter, the value of the argument is passed to the parameter. This is referred to as -----			
	A. method invocation	B. pass by value	C. pass by reference	D. pass by name
26.	<code>int j = 0; int i = j * ++j * 5; System.out.println("i= " + i);</code>			
	A. printout i= 0	B. printout i= 1	C. printout i= 5	D. non
27.	A variable defined inside a method is referred to as ----- .			
	A. a global variable	B. a method variable	C. a block variable	D. a local variable
28.	Which of the following is an impossible output from invoking <code>Math.random()</code> ?			
	A. 3.43	B. 0.5	C. 0.0	D. 0.123
29.	Which of the following is correct?			
	A. <code>int[] a = new long[2];</code>	B. <code>int[] a = new float(2);</code>	C. <code>int a = new int[2];</code>	D. <code>int a[] = new int[2];</code>
30.	Suppose <code>int i = 5</code> , which of the following can be used as an index for array <code>double[] t = new double[100]</code> ?			
	A. <code>t[Math.random() * 100]</code>	B. <code>t[i+100]</code>	C. <code>t[(int)(Math.random() * 100)]</code>	D. <code>t[i+6.5]</code>
31.	Which of the following statements is invalid?			
	A. <code>int i []= new int[30];</code>	B. <code>double d[] = new double[30];</code>	C. <code>int[] i = {3, 4, 3, 2};</code>	D. <code>char[] c = new char(30);</code>
32.	The ----- method sorts the array scores of the <code>double[]</code> type.			
	A. <code>java.util.Arrays(scores)</code>		B. <code>java.util.Arrays.sorts(scores)</code>	
	C. <code>java.util.Arrays.sort(scores)</code>		D. <code>java.util.sortArray(scores)</code>	
33.	A is a specific constant value			
	A. class	B. literal	C. method	D. Constructors
34.	Which of the following statements is correct?			
	A. <code>char[][] A = {'a', 'b'};</code>	B. <code>char[2][2] A = {'a', 'b'}, {'c', 'd'};</code>	C. <code>char[2][] A = {'a', 'b'}, {'c', 'd'};</code>	D. <code>char[][] A = {'a', 'b'}, {'c', 'd'};</code>
35.	When you return an array from a method, the method returns.....			
	A. a copy of the array	B. the length of the array	C. the reference of the array	
36.	Which of the following statements is preferred to create a string "Welcome to Java"?			
	A. <code>String s; s = String ("Welcome to Java");</code>	B. <code>String s; s = "Welcome to Java";</code>	C. <code>String s = new String ("Welcome to Java");</code>	D. <code>String s = "Welcome to Java";</code>



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37.	You can declare a variable anywhere inside the program, as long as it is declared before it is being used.			
	A. true	B. false		
38.	Suppose s1 and s2 are two strings. Which of the following statements or expressions is correct?			
	A. String s3 = s1 + s2	B. s1 >= s2	C. int i = s1.length	D. s1.charAt(0) = '5'
39.	Which class do you use to write data into a text file?			
	A. Print.Writer	B. Scanner.File()	C. Filename.format()	D. System. PrintWriter()
40.	Which class do you use to read data from a text file?			
	A. Scanner	B. PrintWriter	C. File	D. System
41.	Which of the following is the language for Mobile?			
	A. Java ME	B. Java SE	C. Java language	D. Java FX
42.	a no default value of Boolean type is			
	A. true	B. false	C.	D.
43.	Which of the following is correct Integer Literals?			
	A. Int s=-123	B. Int s=1,560	C. Int s=007	D. Int s=147\$
44.	Which of the following is incorrect Character Literals?			
	A. char letter = '102'	B. char letter = "k"	C. char letter = 102	D. char letter = '97'
45.	The escape sequence which mean Single-quote is			
	A. \"	B. \'	C. \\'	D. \s
46.	If a number is too small to be stored in a variable of the int type, it -----			
	A. causes overflow	B. causes underflow	C. causes no error	D. cannot happen in Java
47.	What is y after the following statement is executed? y = (5%3 > 1) ? 10 : -10;			
	A. 10	B. 0	C. -10	D. 20
48.	What is item after the following loop terminates? int sum = 0, item = 0; do { item++; sum += item; if (sum > 4) break; } while (item < 5);			
	A. 6	B. 3	C. 2	D. 4