

Qassim University
Deanship of Educational Services
Preparatory Year Program- Computer Science Unit
Final Exam - 1434/1435 - CSC111
Time: 2 Hours + 10 Minutes

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MG

Student name:

Student Id:

Select the correct choice:

Part I:(Time: 90 minutes, 30 Points)

Q 1: A character variable can include -----

- A) a letter B) a number C) a punctuation mark D) all of these

Q 2: A string is denoted with double quotation marks and these quotation marks are included in a string.

- A) True B) False

Q 3: What is the output of following statement?

System.out.println("\\'\"\\\\\\\\'");

- A) \' "\' B) \' "\' C) \' "\' D) \' "\'

Q 4: A ----- action causes the strings to be pasted and displayed together.

- A) joining B) concatenation C) comparison D) string length

Q 5: If the string is not found, indexOf() produces the value -----

- A) 0 B) 1 C) -1 D) position

Q 6: What is the length of the following string?

String hobbies="reading, computing, travelling.";
int a= hobbies.length();

- A) 29 B) 30 C) 32 D) 31

Q 7: ----- is assignment operator while ----- is equality operator in Java.

- A) ==, = B) =, = C) =, == D) ==, ==

Q 8: Which of the following statements is correct to create a string variable?

- A) String a='Hello World'; C) String a=Hello world;
B) String case="Hello World"; D) String a="Hello world";

Q 9: -----conditional statement can test for a variety of different conditions.

- A) If B) Ternary operator C) Switch D) None of these

Q 10: What happens if a default statement is omitted in a switch statement?

- A) Logical error B) Syntax error C) No output display D) Nothing

Q 11: Which of the following conditional operators will generate value 25? (Where b=5)

- A) double a =(b!=10)? 25/b*5 : b/5*10; C) int a =(b!=10)? 20/b*5 : b/5*10;
B) double a =(b!=10)? b/5*10 : 10/b*5; D) int a =(b!=10)? 25/b*5 : b/5*10;

Q 12: A switch statement includes all of the following **EXCEPT**-----

- A) Case B) While C) Default D) Break

Q 13: ----- conditional statement has 5 parts.

- A) Ternary B) If-else C) Switch D) All of these

Q 14: Which of the following statements is required with each case statement within a switch?

- A) Break B) Case C) Default D) Both A and B

Q 15: The following conditional statement(if evaluates true) could be used to find -----.

(int number=156;)

if(number%2==0)

- A) Multiple of 5 B) Multiple of 3 C) Even number D) All of these

Q 16: A ----- is a statement or block in java that is repeated either fixed number of times or indefinitely.

- A) switch B) conditional C) ternary operator D) loop

Q 17: A For Loop conditional section is always given after a Loop block?

- A) Yes B) No

Q 18: Which of the following is a **CORRECT** format of a For Loop?

- A) For(int a=1, a>=0, a++) C) For(int a=1, a>=10, a--)
B) For(int a=0; a>=0; a++) D) For(int a=1; a<=10; a++)

Q 19: What is the value of result if: (int result, score=7;)?

```
if(score<=5)
    result = ++score * 5;
else
    result=score*10;
```

- A) 20 B) 25 C) 70 D) 40

Q 20: How many times while the loop run and display the output? (int a=5;)

```
while(a<10){
    System.out.println("CSC111 Final Exam"); }
a--;
```

- A) 10 times B) Less than 10 times C) More than 10 times D) infinite loop

Q 21: Which of the following loops will execute at least once even if the test condition is **NOT** true?

- A) Do B) While C) For D) All of these

Q 22: Which of the following loops has initialization section before the loop block?

- A) For B) While C) DO D) Both B and C

Q 23: For loop sections can be empty.

- A) Yes B) No

Q 24: Which of the following variables is used to store IDs and Grades for 50 students?

- A) String B) Integer C) Array D) Double

Q 25: Which of the following is a **CORRECT** declaration of an array variable?

- A) Int a [50]; B) int[] a; C) int a[] =new [50]; D) All of these

Q 26: An array with 15 elements always starts with 0 and has a limit -----

- A) 0 to 15 B) 1 to 16 C) 0 to 14 D) 1 to 15

Q 27: Which of the following is a **CORRECT** assignment of value to a given array of string?

```
String[] courses= new String[6];
```

- A) course[1]= physics; C) course[6]="Math";
B) course[2]={ "CSC111" } D) course[1]="English";

Q 28: All numeric arrays have initial value -----, while all string arrays have -----.

- A) 0, null B) 0, \0 C) 0, 0 D) null, 0

Q 29: How do we sort an array?

- A) Using a loop
- B) Using Conditional statement
- C) Using multidimensional array
- D) Using Sort() method

Q 30: What is the function of ToCharArray() method?

- A) It creates char array with same no. of elements in integer
- B) It creates char array with same no. of elements in string
- C) It produces a string array from character
- D) It creates char array with 10 elements

Part II/Model 1:(Time: 40 minutes, 10 Points)

A): Fix the errors and Find the **output** of the following program:

Class question

```
public static void main(String[] args) {  
String b = "Today is my CSC111 final exam"  
System.out.println(b);  
char[] a = b.toCharArray;  
for(int i = 0; i < a.length; i++) {  
char c = a[i];  
if(c != ' ' ) {  
System.out.Print(c);  
} elseif{ System.out.print('.'); }  
} System.out.println(nothing);}
```

Write the program here:

Write the output here:

B): Write a java program using a switch statement which prints:

Welcome! This is CSC111 course

and has the following cases:

A: Convert and print all the letters to uppercase letters.

B: Print the length of the string

C: Print the Index of the word **Course**

Otherwise: Print Good Luck

Write the program here: