CP – QUIZ 1- BSCS – I FALL 2017
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AUMC

MAX TIME 20 MINUTES   **MARKS 20**

1. An Integrated Development Environment typically consists of:
   a. A text editor
   b. A compiler
   c. A debugger
   d. All of the above
   e. None of the above

   ANS: D

2. The purpose of a memory address is:
   a. To identify the location of a byte in memory
   b. To prevent multitasking
   c. To obtain an algorithm
   d. To improve the effectiveness of high-level languages
   e. None of the above

   ANS: A

3. The programming process consists of several steps, which include:
   a. Input, Processing, and Output
   b. Key Words, Operators, and Punctuation
   c. Design, Creation, Testing, and Debugging
   d. Syntax, Logic, and Error Handling
   e. None of the above

   ANS: C

4. Programmer-defined names of memory locations that may hold data are:
   a. Operators
   b. Variables
   c. Syntax
   d. Operands
   e. None of the above.

   ANS: B

5. Characters or symbols that perform operations on one or more operands are:
   a. Syntax
   b. Op codes
   c. Operators
   d. Program ops
   e. None of the above

   ANS: C

6. Three primary activities of a program are:
   a. Variables, Operators, and Key Words
   b. Lines, Statements, and Punctuation
   c. Input, Processing, and Output
   d. Integer, Floating-point and Character
   e. None of the above

   ANS: C

7. The _____ causes the contents of another file to be inserted into a program.
   a. Backslash
   b. Pound sign
   c. Semicolon
   d. `#include` directive
   e. None of the above

   ANS: D

8. _____ represent storage locations in the computer's memory.
   a. Literals
   b. Variables
   c. Comments
   d. Integers
   e. None of the above

   ANS: B

9 .These are data items whose values do not change while the program is running.
   a. Literals
   b. Variables
   c. Comments
   d. Integers
   e. None of the above

10 .Of the following, which is a valid C++ identifier?
   a. `June1997`
   b. `_employee_number`
   c. `___department`
   d. `myExtraLongVariableName`
   e. All of the above are valid identifiers.

   ANS: E

11. Besides decimal, two other number systems you might encounter in C++ programs are:
   a. Octal and Fractal

b. Hexadecimal and Octal
c. Unary and Quaternary
d. Base 7 and Base 9
e. None of the above

ANS: B

What is the output of the following statement?

```
cout << 4 * (15 / (1 + 3)) << endl;
```
a. 15
b. 12
c. 63
d. 72
e. None of these

ANS: B

12. Which character signifies the beginning of an escape sequence?
a. //
b. /
c. \
d. #
e. {

ANS: C

13. . In the C++ instruction,

```
cookies = number % children;
```

given the following declaration statement:

```
int number = 38, children = 4, cookies;
```

what is the value of cookies after the execution of the statement?
a. 2
b. 0
c. 9
d. .5
e. None of these

ANS: A

14. This function in C++ allows you to identify how many bytes of storage on your computer system an integer data value requires.
a. len
b. bytes
c. f(x)

d. `int`
e. `sizeof`

ANS: E

15. How would you consolidate the following declaration statements into one statement?

```
int x = 7;
int y = 16;
int z = 28;
```

a. `int x = 7; y = 16; z = 28;`
b. `int x = 7     y = 16     z = 28;`
c. `int x, y, z = 7, 16, 28`
d. `int x = 7, y = 16, z = 28;`
e. None of these will work

ANS: D

16. . Which one of the following would be an illegal variable name?
a. `dayOfWeek`
b. `3dGraph`
c. `_employee_num`
d. `June1997`
e. `itemsorderedforthemonth`

ANS: B

17. Look at the following program and answer the question that follows it.

```
1      // This program displays my gross wages.
2      // I worked 40 hours and I make $20.00 per hour.
3      #include <iostream>
4      using namespace std;
5
6      int main()
7      {
8         int hours;
9         double payRate, grossPay;
10
11        hours = 40;
12        payRate = 20.0;
13        grossPay = hours * payRate;
14        cout << "My gross pay is $" << grossPay << endl;
15        return 0;
16     }
```

18. Which line(s) in this program cause output to be displayed on the screen?

a. 13 and 14   d. 13
b. 8 and 9   e. 15

c. 14

ANS: C

19. .What will the following code display?

```
int x = 0, y = 1, z = 2;
cout << x << y << z << endl;
```

a. 0 1 2   c. xyz
b. 0   d. 012
   1
   2

ANS: D

20. What will the following code display?

```
cout << "Four\n" << "score\n";
cout << "and" << "\nseven";
cout << "\nyears" << " ago" << endl;
```

a. Four   c. Four
   score   score
   and   and seven
   seven   years ago
   years ago

b. Four score and seven   d. Four score
   years ago   and seven
                                      years ago

ANS: