

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

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

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

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.

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

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

7. The _____ causes the contents of another file to be inserted into a program.
- Backslash
 - Pound sign
 - Semicolon
 - `#include` directive
 - None of the above
8. _____ represent storage locations in the computer's memory.
- Literals
 - Variables
 - Comments
 - Integers
 - None of the above
9. These are data items whose values do not change while the program is running.
- Literals
 - Variables
 - Comments
 - Integers
 - None of the above
10. Of the following, which is a valid C++ identifier?
- June1997
 - `_employee_number`
 - `__department`
 - `myExtraLongVariableName`
 - All of the above are valid identifiers.
11. Besides decimal, two other number systems you might encounter in C++ programs are:
- Octal and Fractal
 - Hexadecimal and Octal
 - Unary and Quaternary
 - Base 7 and Base 9
 - None of the above

What is the output of the following statement?

```
cout << 4 * (15 / (1 + 3)) << endl;
```

- 15
- 12
- 63
- 72
- None of these

12. Which character signifies the beginning of an escape sequence?

- a. //
- b. /
- c. \
- d. #
- e. {

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

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

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

16. . Which one of the following would be an illegal variable name?

- a. dayOfWeek
- b. 3dGraph
- c. _employee_num
- d. June1997
- e. itemsorderedforthemonth

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
- b. 8 and 9
- c. 14
- d. 13
- e. 15

19. What will the following code display?

```

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

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

20. What will the following code display?

```

cout << "Four\n" << "score\n";
cout << "and" << "\nseven";
```

```
cout << "\nyears" << " ago" << endl;
```

- | | |
|---|--|
| a. Four
score
and
seven
years ago | c. Four
score
and seven
years ago |
| b. Four score and seven
years ago | d. Four score
and seven
years ago |