

Time: ½ hr.

Mark: 20

Computer Applications(Revision Test Unit III & IV)

(1) What are the type of casting shown by the following example?

char c=(char)68;

a) Implicit

~~b) Explicit~~

(2) **int n=15.4;** State whether the given statement is True or False?

a) True

~~b) False~~

(3) The number of bytes occupied by **double** data type is _____ byte/s

a) 4

~~b) 8~~

c) 2

d) 64

(4) The _____ are the words which have special meaning

~~a) Keywords~~

b) Identifier

c) Methods

d) Package

(5) **!(3>1&&4>6)**

~~a) True~~

b) False

(6) Which of the following is default value of a **boolean** data type?

a) true

b) null

~~c) false~~

d) void

(7) Arrange the following primitive data types in the ascending order of size: char, byte, double, int

a) char, byte, int, double

b) byte, char, double, int

c) char, byte, int, double

~~d) byte, char, int, double~~

(8) Write the equivalent Java statements for the following expressions

$$\frac{\sqrt{b^2 - 4ac}}{2a}$$

a) `math.sqrt((b*b)-(4*a*c))/2*a;`

b) `Math.sqrt(b*b - 4*a*c/2*a);`

~~c) `Math.sqrt((b*b)-(4*a*c))(2*a);`~~

d) `Math.Sqrt((b*b)-(4*a*c))/2*a;`

(9) Abbreviation ASCII stands for:

a) American Standard Code for Interface Implementation

b) American Standard Computer for Information Interchange

c) American Standard Computer for Intelligent Interface

~~d) American Standard Code for Information Interchange~~

(10) Given statement `int x = 'H'`; What is the value of x?

- ~~a) 72~~
- c) 73
- b) 71
- d) Invalid assignment

11) Find the odd man out

- ~~a) &&~~
- c) /
- b) %
- d) -

12) The smallest individual unit in a program is:

- ~~a) Identifier~~
- c) Token
- b) Method
- d) Function

13) Give the output of the following

```
int x=10;  
x += x++ + --x + ++x + x;
```

- a) 50
- c) 51
- b) 53
- ~~d) 52~~

14) Which of the following is not a valid operator in Java?

- a) %
- c) ++
- b) -
- ~~d) !=~~

15) The expression `29 % 5` evaluates to

- a) 2
- c) 3
- ~~b) 4~~
- d) 1

16) Write the Output:

```
char ch= 'A';  
int m=ch;  
m=m+5;  
System.out.println(m + " " + ch);
```

- ~~a) 70 A~~
- c) A70
- b) 71 A
- d) 72 A

17) 1. An operator taking three operands for its operation is:

- a) A unary operator
- ~~c) A ternary operator~~
- b) A binary operator
- d) There is no such operator

18) Operators with higher precedence are evaluated before operators with relatively lower precedence. Arrange the operators given below in order of higher precedence to lower precedence.

(i) * (ii) <= (iii) && (iv) ++

- a) (iv), (i), (iii), (ii) b) (iv), (iii), (ii), (i)
~~c) (iv), (i), (ii), (iii)~~ d) (i), (ii), (iii), (iv)

19) String x = (a >= 40) ? "passed" : "failed"; when a = 30

- a) passed ~~b) failed~~
c) passedfailed d) none

20) Predict the output?

int c=(5<6) ? (5*6) : (5+6);

- a) 11 ~~b) 30~~
c) 5 d) 6
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