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| NAME : NUMBER: | |
| *Only one option is true.*  *The cout command in C++, is for output which is equal to System.out.println in Java, cout << b.x; functions as System.out.print(b.x); in Java* | |
| 1) Choose the right coding of the equation below?  a) y=x+x+z/2\*t-5\*t-7 b) y=x+x+z/(2\*t-5)\*t-7  c) y=x+(x+z)/(2\*t-5)\*t-7 d) y=x+(x+z)/(2t-5\*t-7) | 2) What is the lowest level syntactic unit of a language?  a) Expression b) Sentence  c) Lexeme d) Token |
| 3) What is the result of the following Java code?  System.out.println(2/4\*50);  System.out.println( 50-2/4);  System.out.println(100/5 + 4);  System.out.println(77 \* 1/2 );   |  |  | | --- | --- | | a)25 49.5 24 38 | b)25 49 24 38.5 | | c) 0 12 4 0 | d)0 50 24 38 | | 4) Which of the following list definition in Phyton is correct?    a) list=[1;2;3;4] b) int list3=[2014,1998]  c) char list1=['m','t','w'] d) list3=[99,'a','xzt'] |
| 5) What is the result of the Phyton code below?  print 5//2   1. 2.5 b) 2 c) 3 d) 2.50 | 6) If the range of the integer data type is between  -2,147,483,648 and 2,147,483,647 in C++, what is the possible output of the following statement?  int ii= 2147483649; cout <<ii ;   |  |  |  |  | | --- | --- | --- | --- | | a) 2147483649 | b) -2147483647 | c) 0 | d) -1 | |
| 7) What is the result of the following C++ code?  int x = 3; cout << "\n a=>" << x+1;  if ( x > 1 ) { int x=1; cout << "\n b=>" << x; }  cout << "\n c=>" << x;  {int x = 2; cout << "\n d=>" << x; }  cout<<"\n e=>"<<x;  a)a=>4 b=>1 c=>3 d=>2 e=>3  b)a=>3 b=>3 c=>4 d=>1 e=>2  c)a=>3 b=>4 c=>1 d=>3 e=>3  d)a=>4 b=>1 c=>4 d=>2 e=>2 | 8) What is the result of the following Java code?  public class GMs  { public static int t = 12; // global variable  public static int f1(int g)  { t = t + 2; g=g+1; return g + 1; }  public static void main(String []args) {  t = t + f1(1); System.out.print(t); } }  a) 14 b) 15 c)16 d) 17 |
| 9) Which of the results in the C++ code below is expected?  int i=951753402; float f ;  f=i; cout<<f;  a) 951753402 b) 9.50000000  c) 9.5 d) 9.51753+e008 | 10) Which of the following statement is *in*valid for a  Tuple Type in Python?  a) tup1 = (1, 2, 3, 4, 5 ); # writing a tuple  b) tup1 [3] = 500; # Assign a value  c) tup1 = (); # empty tuple  d) print tup1; # printing a tuple |
| 11) What kind of array is the following?  L=[‘xyz’,5,’s’,843]  a)Heterogeneous b) Jagged c)Associative d) Mixed | 12) Which statement below is represented by the parse tree?   1. A = (A + C) \*B 2. A = B \* A + C 3. A = A + C \* B 4. A = B \* (A + C) |
| 13) Which of the programming languages is NOT a scripting language for web?  a)Ruby b) Phyton c) Perl d) Lisp | 14) Which of the programming languages served as the inspiration for the imperative languages which were designed later?  a)Cobol b) Basic c) Fortran d) Algol |
| 15) Which statement is derived from the grammar below?   |  |  | | --- | --- | | <assign> → <id> = <expr>  <id> → A | B | C  <expr> → <id> + <expr>  | <id> \* <expr>  | ( <expr> )  | <id> | a) A = B / ( A + C )  b) C = (B + A) \* C  c) C = B \* ( D + E )  d) A = B + F | | 16) Which of the terms below has this definition?  “the form or structure of the expressions, statements, and program units”  a)Semantics b) Syntax c) Lexeme d) Process |
| 17)The C-based languages allow any compound statement ( {} ) to have declarations and define a new scope. What is this called?  a)Loop b) Blocks c) Binding d) Allocation | 18) Which of the terms below has this definition?  "A collection of memory cells"  a)Deallocation b) Program c) Address d) Variable |
| 19) Which of the following is the data structure of the C++ code below?  struct student { int number;  char name [20];  int phone\_number; };  a) Structure b) Record c) Array d) Class | 20) What is the result of the following C++ code?  union fT  { int v1; int v2; int v3; };  union fT e;  e.v1 = 7;  cout<<"v1="<<e.v1<<" v2="<<e.v2<< " v3="<<e.v3;   |  |  | | --- | --- | | a) v1=7 v2=7 v3=7 | b) v1=7 v2= *Blank* v3= *Blank* | | c) v1=7 v2=0 v3=0 | d) v1=7 v2=*Random* v3= *Random* | |

1 c 2 c 3 d 4 d 5 b 6 b 7 a 8 b 9 d 10 iptal

11 a 12 d 13 d 14 d 15 b 16 b 17 b 18 d 19 b 20 a