

<b>Student Name:</b>	<b>Student ID:</b>
<b>Exam Duration: 55min</b>	<b>Marks: 23</b>

Instructions:

1. Attempt 23 questions that are worth 1 point each to be completed in 55 minutes.
2. This and all exam scripts are collected at the end – under no circumstances can anything leave the exam room.
3. Attempt all questions on Answer sheet, select only one answer. Multiple answers means incorrect.

<b>1</b>	Which among the following is NOT a logical or relational operator?	a) != b) == c)    <b>d) =</b>
<b>2</b>	What is the size of an int data type?	a) 4 Bytes b) 8 Bytes <b>c) Depends on the system/compiler</b> d) Cannot be determined
<b>3</b>	Which is valid C expression?	a) int my_num = 100,000; <b>b) int my_num = 100000;</b> c) int my num = 1000; d) int \$my_num = 10000;
<b>4</b>	What is the output of this C code? <pre>#include &lt;stdio.h&gt; int main() {     printf("Hello World! %d \n", x);     return 0; }</pre>	a) Hello World! x; b) Hello World! followed by a junk value <b>c) Compile time error</b> d) Hello World!
<b>5</b>	What is the problem in following variable declaration? float 4Door-Room?;	a) The variable name begins with an integer b) The special character '-' c) The special character '?' <b>d) All of the mentioned</b>
<b>6</b>	Comment on the output of this C code? <pre>#include &lt;stdio.h&gt; int main() {     int ThisIsVariableName = 12;     int ThisIsVariablename = 14;     printf("%d", ThisIsVariablename);     return 0; }</pre>	a) The program will print 12 <b>b) The program will print 14</b> c) The program will have a runtime error d) The program will cause a compile-time error due to redeclaration

7	What is the output of the following C code? <pre>#include &lt;stdio.h&gt; int main() {     signed char chr;     chr = 128;     printf("%d\n", chr);     return 0; }</pre>	a) 128 <b>b) -128</b> c) Depends on the compiler d) None of the mentioned
8	What is the output of this C code? <pre>#include &lt;stdio.h&gt; int main() {     j = 10;     printf("%d\n", j++);     return 0; }</pre>	a) 10 b) 11 <b>c) Compile time error</b> d) 0
9	What is the value of x in this C code? <pre>#include &lt;stdio.h&gt; void main() {     int x = 5 * 9 / 3 + 9; }</pre>	a) 3.75 b) Depends on compiler <b>c) 24</b> d) 3
10	What is the output of this C code? <pre>#include &lt;stdio.h&gt; int main() {     int a = 1, b = 1, c;     c = a++ + b;     printf("%d, %d", a, b); }</pre>	a) a = 1, b = 1 <b>b) a = 2, b = 1</b> c) a = 1, b = 2 d) a = 2, b = 2
11	What is the output of this C code? <pre>#include &lt;stdio.h&gt; int main() {     int i = 2;     int j = ++i + i;     printf("%d\n", j); }</pre>	<b>a) 6</b> b) 5 c) 4 d) Compile time error
12	The output of the code below is <pre>#include &lt;stdio.h&gt; void main() {     int x = 0;     if (x == 0) </pre>	a) hi b) how are you c) hello <b>d) hihello</b>

	<pre> printf("hi"); else printf("how are u"); printf("hello"); } </pre>	
13	<p>What is the output of this C code?</p> <pre> #include &lt;stdio.h&gt; void main() {     int k = 0;     for (k)         printf("Hello"); } </pre>	<p>a) Compile time error</p> <p>b) hello</p> <p>c) Nothing</p> <p>d) Varies</p>
14	<p>What is the output of this C code?</p> <pre> #include &lt;stdio.h&gt; void main() {     int k = 0;     for (k = 0; k &lt; 3; k++)         printf("Hello"); } </pre>	<p>a) Run time error</p> <p>b) Hello is printed thrice</p> <p>c) Hello is printed twice</p> <p>d) Hello is printed infinitely</p>
15	<p>What is the output of this C code?</p> <pre> #include &lt;stdio.h&gt; int main() {     int i = 0;     for (i++; i == 1; i = 2)         printf("In for loop ");     printf("After loop\n"); } </pre>	<p>a) In for loop after loop</p> <p>b) After loop</p> <p>c) Compile time error</p> <p>d) Undefined behaviour</p>
16	<p>What is the output of this C code?</p> <pre> #include &lt;stdio.h&gt; int main() {     while ()         printf("In while loop ");     printf("After loop\n"); } </pre>	<p>a) In while loop after loop</p> <p>b) After loop</p> <p>c) Compile time error</p> <p>d) Infinite loop</p>
17	<p>What is the output of this C code?</p> <pre> #include &lt;stdio.h&gt; int main() {     int i = 0;     do {         i++; </pre>	<p>a) In while loop</p> <p>In while loop</p> <p>In while loop</p> <p>b) In while loop</p> <p>In while loop</p> <p>c) Depends on the compiler</p>

	<pre>printf("In while loop\n"); } while (i &lt; 3); }</pre>	d) Compile time error
18	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int i = 0;     while (++i)     {         printf("M");     } }</pre>	<p>a) M  b) M is printed infinite times  c) Compile time error  d) Varies</p>
19	<p>Which keyword is used to come out of a loop only for that iteration?</p>	<p>a) break  b) continue  c) return  d) none of the mentioned</p>
20	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int i = 0, j = 0;     for (i = 0; i &lt; 5; i++)     {         for (j = 0; j &lt; 4; j++)         {             if (i &gt; 1)                 break;         }         printf("Hi \n");     } }</pre>	<p>a) Hi is printed 5 times  b) Hi is printed 9 times  c) Hi is printed 7 times  d) Hi is printed 4 times</p>
21	<p>What is the output of this C code(When 2 is entered)?</p> <pre>#include &lt;stdio.h&gt; void main() {     int ch;     printf("enter a value between 1 to 2:");     scanf("%d", &amp;ch);     switch (ch)     {         case 1:             printf("1\n");             break;             printf("hi");     }</pre>	<p>a) 1  b) hi 2  c) Run time error  d) 2</p>

	<pre> default:     printf("2\n");     }     } </pre>	
22	The precedence of arithmetic operators is (from highest to lowest)?	a) %, *, /, +, - b) %, +, /, *, - c) +, -, %, *, / d) %, +, -, *, /
23	Which of the following is not an arithmetic operation?	a) a *= 10; b) a /= 10; c) a != 10; d) a %= 10;
24	Which of the following data type will throw an error on modulus operation (%)?	a) char b) short c) int d) float
25	What is the output of this C code? <pre> #include &lt;stdio.h&gt; int main() {     int a = 10;     double b = 5.6;     int c;     c = a + b;     printf("%d", c); } </pre>	a) 15 b) 16 c) 15.6 d) 10