CIT341
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1. What is the value of 3+4%6/2+5?

5

6

9

--->> 10

2. Which of the sets of statements below will add 1 to x if x is positive and subtract 1 from x if x is negative but leaves x alone if x is 0?

if (x > 0) x++; else x--;

--->> if (x > 0) x++; else if (x < 0) x--;

if (x == 0) x = 0; else x++; x--;

x++; x--;

3. Which of the following options is a valid declaration of an object of class Student?

--->> Student person = new Student();

Person student = new Person();

Person student = new Student();

new student;

4. Which of the following loops will execute statements at least once, even when the condition is initially false?

--->> do-while

while

for

do-while, while

5. What is the logical representation of the expression Ã¢â‚¬Å"A is from 70 to 100 inclusiveÃ¢â‚¬Â□

70<= A <= 100

A>=70 || A <= 100

--->> A>=70 && A <= 100

6. Given that int x, y; and that x < y what is the value of x % y?

--->> x

y

x-y

y-x

7. What should be expr1 be evaluated to in the following ternary operator? expr1 ? expr2 : expr3

--->> Integer

Floating Ã¢â¬â€œ point numbers

Boolean

String

8. Of the following conditional statements, which one correctly executes three instructions if the condition is true?

if (x < 0) a = b * 2; y = x; z = a Ã¢â¬â€œ y;

{ if (x < 0) a = b * 2; y = x; z = a Ã¢â¬â€œ y; }

if{ (x < 0) a = b * 2; y = x; z = a Ã¢â¬â€œ y ; }

--->> if (x < 0) { a = b * 2; y = x; z = a Ã¢â¬â€œ y; }

9. Which of the following best describe the functionality of a break statement?

Break stops the execution of entire program

--->> Break halts the execution and forces the control out of the loop

Break is used to replace if statement

10. What is the final value of y after the execution of the statements: int x = 20, y=10; y = (x < 50) ? x : 5;

Y=5

Y=4

Y=10

--->> Y=20