Assignments

Pointers

Q1. Write a program to find the product of two numbers using pointers.

Q2. int *p, q;

1. **p is a pointer and q is an integer.**

2. **p and q both are pointers.**

3. **P and q both are integers.**

4. **Syntax is incorrect.**

Q3. Find the output of the following code snippet.

```cpp
int a = 10, b = 20;
int *ptr = &a;
b = *ptr + 1;
ptr = &b;
cout << *ptr << ' ' << a << ' ' << b;
```

1. **11 11 10**

2. **10 10 10**

3. **11 10 11**

4. **10 11 10**

Q4. Find the output of the following code snippet.

```cpp
int a = 15, b = 20;
int *ptr = &a;
int *ptr2 = &b;
*ptr = *ptr2;
```

1. **ptr now points to b**

2. **ptr2 now points to a**

3. **a gets value of b**

4. **b gets value of a**

Q5. Is the following program snippet correct?

```
int a = 10, b = 20;
int *ptr;
*ptr = 5;
```

Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain.