

C Pointer Questionnaire

Roll Number: _____

Time Allotted: 30 minutes

Instructions:

Each question consists of a snippet of code in the *C* programming language. Your task is to create a clear representation of the code in an appropriate format (e.g., figures, text, etc.) in the space provided and use it to evaluate the output of the code.

Question 1

```
int s = 3;
int *temp = &s;
int **p = &temp;
int *q = *p;
*q = 10;
printf("%d %d %d\n", s, *temp, **p);
```

Question 2

```
int arr[] = {1, 2, 3, 4, 5};  
int *p = arr;  
*(p + 2) = *(p + 4);  
p++;  
printf("%d %d\n", *p, *(p + 2));
```

Question 3

```
char str1[] = "Hello";
char str2[] = "World";
char *p = str1;
char *q = str2;
p = q;
*str2 = 'h';
*(q+2) = 'v';
printf("%s %s\n", p, str2);
```