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CSE113: Programming and Problem Solving
Spring 2026
Quiz - 3
Duration: 35 Minutes

Q1 Write down the correct option for each question on your answer script. [5]

I. What does the below code snippet print?

```
int a[3] = {1,2,3};
printf("%x %x", a, &a[0]);
```

A) Different addresses
B) Same address
C) Compiler error
D) Undefined

II. What does the below code snippet print?

```
void change(int arr[]) {
    arr[0] = 100;
}
int main() {
    int a[3] = {1,2,3};
    change(a);
    printf("%d", a[0]);
}
```

A) 1
B) 100
C) Compiler error
D) Garbage

III. What does the below code snippet print?

```
void change(int *arr) {
    rr[0] = 100;
}
int main() {
    int a[3] = {1,2,3};
    change(&a);
    printf("%d", a[0]);
}
```

A) 1
B) 100
C) Compiler error

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D) Garbage

IV. Which is correct?

```
int a[5];
int *p = a;
printf("%d", *(p+3));
```

A) Accesses 4th element
B) Accesses 3rd element
C) Error
D) Undefined

V. What does the below code snippet print?

```
int x = 5;
int *p = &x;
int **q = &p;

**q = 10;
printf("%d", x);
```

A) 5
B) 10
C) Garbage
D) Error

Q2

a. Define a structure called **Employee** with the fields of employee's **name**, **id**, **age**, **gender**, and **salary**.
b. Write a C programme to store 10 employees' information.
c. Write a C programme to print the details of the first 5 employees.

[2 + 4 + 4]