1.

```c
#include <stdio.h>
int main(void)
{
    int a[5] = {45, 1, 7, 10, 35};
    int x, y, z;
    x = ++a[1];
    y = a[1]++;
    z = a[x++];
    printf("%d, %d, %d", x, y, z);

    return 0;
}
```

A. 2, 3, 10
B. 2, 1, 7
C. 1, 2, 7
D. 3, 2, 7

Answer: D

2.

```c
#include <stdio.h>
int main(void)
{
    int a[10]={11,22,33,44,55};
    int *ptr=&a[4]
    printf("%d %d", ptr[-1], ptr[-3]);

    return 0;
}
```

A. Garbage value Garbage value
B. 11 33
C. 44 22
D. Garbage value Garbage Value

Answer: C

3.
```c
#include <stdio.h>
int main(void)
{
    char p;
    char buf[8] = {12, 11,18, 45, 91, 48, 72, 50};
    p = (buf + 1)[5];
    printf("%d\n", p);
    return 0;
}
```

A. 72
B. 48
C. 91
D. None of the above

Answer: A

4.
```c
#include<stdio.h>
int main(void)
{
    static int a=22;
    static int b=33;
    static int c=11;
    static int *arr[5]={&a, &b, &c};
    int const* const* ptr= &arr[1];
    --ptr;
    printf("\n %d \n", **ptr);

    return 0;
}
```

A. 11
B. 22
C. 10
D. compile time error

Answer: B

5.

```c
// note: consider 64 bit compiler.
#include <stdio.h>
void print(int arr[])
{
    int n = sizeof(arr)/sizeof(arr[0]);
    int i;
    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
    return;
}
int main( void )
{
    int arr[] = {11, 22, 33, 44, 55, 66, 77, 88};
    print(arr);

    return 0;
}
```

A. 11, 22, 33, 44, 55, 66, 77, 88
B. Compiler Error
C. 11, 22,
D. Run Time Error
E. 11, 22, 33, 44,

Answer: C