1.

```
#include <stdio.h>
#include <string.h>
struct test
{
	char name[20];
};
int main(void)
{
	struct test s1;
	strcpy( s1.name,"SunBeam");

	return 0;
}
```

If structure is declared as follows & if i want to print value of name on console. which of the following printf statements are valid

1. printf("%s",*(&s1.name));
2. printf("%s",s1.name);
3. printf("%s",(&s1));
4. printf("%s",s1);
5. printf("%s",*(&s1));

A. Only 2
B. Both 1 and 2
C. 1 2 and 3
D. 1 2 3 and 4
E. All of above

Answers: C

2.

In the following C code, we can access the 1st character (S) of the name (SunBeam) by using which option ?

```
#include <stdio.h>
struct
{
	char *name;
}symtab={"SunBeam"};

1. printf("%c]\n", symtab.(&name[0]));
2. printf("%c\n", *symtab.name);
3. printf("%c\n", symtab.name[0]);
4. printf("%c", *symtab.name[0]);
5. printf("%s\n", symtab.name);
```

A. Only 2
B. 1 and 2
C. 1 ,2 and 3
D. 2 and 3
E. 2 ,3 and 5

Answers: D

3.

```
#include<stdio.h>
#include<string.h>
typedef struct Test
{
	char str[9];
}TEST;
int main(void)
{
	struct Test st1;
	const TEST st2={"CSharp"};
	st1 = st2;
	st1.str[0] = 'J';
	printf("%s \t %s",st2.str,st1.str);
	return 0;
}
```

A. CSharp JSharp
B. JSharp CSharp
C. JSharp JSharp
D. Error
E. CSharp CSharp

Answer: A

4.

```
#include<stdio.h>
struct s
{
	int i;
	struct s obj;
}s1;

int main(void)
{
	s1.i = 100;
	s1.obj = s1;
	printf("%d %d",s1.obj.i, s1);

	return 0;
}
```

A. 100 100
B. Garbage value Garbage value
C. Compiler error
D. Run time error
E. Garbage value 100

Answer: C

5.

```
#include<stdio.h>
struct emp
{       int empno;
        char name[10];
        float sal;
};      struct emp e1;
        void accept_emp_info(struct emp *e);
int main(void)
{
        struct emp e1;
        struct emp *temp=&e1;
        printf("\n Enter employee infomation = \n");
        accept_emp_info(temp);
        printf("\n EmpNo Name Sal\n");
        printf("%-8d%-10s%-6.2f\n", e1.empno, e1.name, e1.sal);
        printf("%-8d%-10s%-6.2f\n", (*temp).empno, (*temp).name,
                                        (*temp).sal);
        return 0;
}
void accept_emp_info(struct emp *e)
{
        printf("\n Enter Emp No=");
        scanf("%d", &e->empno);
        printf("\n Enter Emp Name=");
        scanf("%s", e->name);
        printf("\n Enter Emp sal=");
        scanf("%f", &e->sal);
        return ;
}
```

what will be the output of program if we give this input?
empno=101 , name ="abcd" , sal=10000.

A. 101 abcd 10000.00 101 abcd 10000.00
B. 0 NULL 0.000000 0 NULL 0.000000
C. Garbage Values Garbage Values
D. 0 0 0.00 0 0 0.00
E. Error

Answer: A