1.

```
#include<stdio.h>
int main(void)
{
	struct s
	{
		char *p;
		int i;
		struct s *sp;
	}a[] = {"abcd",1,a+1,"efgh",2,a+2,"ijkl",3,a}, *p;
	p = a;
	printf("%s %s %s\n",a[0].p,p->p,a[2].sp->p);
	return 0;
}
```

A. abcd abcd ijkl
B. abcd efgh ijkl
C. abcd abcd efgh
D. abcd abcd abcd

Answer: D

2.

```
#include <stdio.h>
struct course
{
	int capacity;
	char coursename[10];
};
int main (void)
{
	struct course arr[] = {  {240, "DAC Pune"},
				 {120, "KDAC Karad"},
				 {60, "DBDA"},{120, "DESD"},
				 {120, "DMC"},{60, "DITISS"},};

	printf("%d, %d",arr[2].capacity, ( *( arr + 2)).capacity);
	return 0;
}
```

A. 60, ASCII value of D
B. 60, 60
C. 60, ASCII value of K
D. 120, ASCII value of K

Answer: B

3.

```
#include<stdio.h>
typedef struct p *q;
struct p
{
	int x;
	char y;
	q ptr;
};
int main(void)
{
	struct p p = {1, 65, &p};
	printf("p.ptr->x =%d \t p.ptr->y =%c",p.ptr->x,p.ptr->y);
	return 0;
}
```

A. Compile time error

B. p.ptr->x = 1
   p.ptr->y = A

C. p.ptr->x = 1
   p.ptr->y = 65

D. p.ptr->x = Address of p
   p.ptr->y = Address of p

Answer: B

4.

```
#include <stdio.h>
int main(void)
{
	struct test1
	{
		char name[15]; char *ptr;
	};
	struct test2
	{
		char *c ; struct test1 t1 ;
	};
	struct test2 t2 = {"Pune","Hinjawadi","Karad"};

	printf("%s%s\n",t2.c,t2.t1.ptr);
	printf("%s%s\n",++t2.c,++t2.t1.ptr);

	return 0;
}
```

A. PuneKarad
   unearad

B. PuneKarad
   PuneKarad

C. PuneKarad
   Garbage

D. Compile time Error

Answer: A

5.

```
#include <stdio.h>
#include <string.h>
struct
{
	unsigned int age : 2;
}Age;

int main(void )
{

	Age.age = 3;
	printf( "Age.age : %d ", Age.age );

	Age.age = 4;
	printf( "updated Age.age : %d\n", Age.age );

	return 0;
}
```

A. Age.age:3 updated Age.age:4
B. Age.age:0 updated Age.age:0
C. Age.age:3 updated Age.age:0
D. Age.age:3 updated Age.age:3

Answer: C