INDIAN SCHOOL DARSAIT
DEPARTMENT OF ICT

Subject: Computer Science   **Topic:** Pointers   **Worksheet No.:**15

Resource Person: Roilet Noronha   **Date:**_____

Name of the Student :_____   **Class &Div:** XII _   **Roll Number :**___

Give the output:

1.	void main(){
	char*String="SARGAM";
	int *Ptr, A[]={l,5,7,9}; Ptr=A;
	cout<<*Ptr<<String<<endl;
	String++;Ptr+=3;
	cout<<*Ptr<<String<<endl;}

2.	void main(){ float *Ptr,Points[] = {120,50,30,40,10}; Ptr=Points; cout<<*Ptr<<endl; Ptr+=2; Points[2]+=2.5; cout<<*Ptr<<endl: Ptr++; (*Ptr)+=2.5; cout<<Points[3]<<endl;}

3.	typedef char Str80[80];
	void main(){ char *Notes;
	Str80 Str="vR.zGooD";
	int L=6;
	Notes = Str;
	while(L>=3){
	Str[L]=isupper(Str[L])?
	tolower(Str[L]):
	toupper(Str[L]);
	cout<<Notes<<endl;
	L--;
	Notes++;
	getch();}}

4.	void main(){ char *Text="1234";
	int L=strlen(Text),Start;
	randomize(); char P;
	for(int I=0;I<L;I++){
	Start=random(I)+1;
	P=Text[Start];
	cout<<P<<":";}}

5.	void main(){ int *Queen, Moves[]={11, 22, 33,44}; Queen = Moves; Moves[2] += 22; cout<<"Queen @"<<*Queen<<endl; *Queen -= 11; Queen += 2; cout<<"Now@"<<*Queen<<endl; Queen++;

	cout<<"Finally@"<<*Queen<<endl; cout<<"New 0rigin@"<<*Moves[0]<<endl;}

6.	void main(){
	int a=32,*X=&a;
	char ch=65, &eco=ch;
	eco+=a;
	*X+=ch;
	cout<<a<<','<<ch<<endl;}

7.	Identify the syntax error(s), if any, in the following program .(Assume all required header files are included). Also, give reason for errors.
	void main(){constinti=20;
	constint *constptr=&i;
	(*ptr)++;
	int j=15;
	ptr=&j;}

8.	void main(){int array[] = {2,3,4,51};
	int *arptr=array;
	int value=*arptr;
	cout<<va1ue<<'\n';
	value=*arptr++;
	cout<<value<<'\n';
	value=*arptr;
	cout<<value<<'\n';
	value=*++arptr;
	cout<<value<<'\n';}

9.	void main(){
	int *Point, Score[]={100,95,150,75,65,120};
	Point=Score;
	for(int L=0;L<6;L++){
	if((*Point)%10==0)
	*Point /= 2;
	else
	*Point -= 2;
	if((*Point)%5==0)
	*Point /= 5;
	Point++;}
	for(int L=5;L>=0;L--)
	cout<<Score[L]<<"*";}

10.	void main(){
	int X[]={10, 25, 30, 55, 110};
	int *p=X;
	whi1e(*p<110){
	if(*p%3!= 0)
	*p = *p+1;
	else
	*p = *p+2;
	p++:}
	for(int 1=4;I>=1;I--){
	cout<<X[I]<<"*";
	if(I%3 == 0)
	cout<<endl;}
	cout<<X[0]*3<<endl;}