**ARRAY-SHEET  
Q1. main()  
{   
int n=10;  
int a[n];  
printf("n %d bytes",sizeof(a));   
}  
(a) compilation error (b) garbage values (c) 20 bytes (d) 10 bytes  
  
Q2. main()  
{   
int a[]={1,2,3}, i, sum=0, \*p, \*q;  
q=p=a;  
for(i=0;i<3;i++)  
{   
++\*p++;  
printf(" %d", q[i]);   
}  
}  
(a) 1 2 3 (b) 2 3 4 (c) all garbage values (d) no output  
  
Q3. main()  
{   
int a[25];  
a[0]=46;  
a[24]=50;  
printf("%d %d",a[24]-a[0],&a[24]-&a[0]);   
}  
(a) compilation error (b) 24 24 (c) 46 50 (d) 4 24  
  
Q4. main()  
{   
int a[2]={10,20}, \*p, i=1;   
p=&a+1;  
p--;  
for(;i>=0;)  
{  
printf("%d ", \*p--);   
i--;   
}   
}  
(a) 20 10 (b) 10 20 (c) 11 21 (d) 21 11  
  
Q5. main()  
{ static int a[]={2,4,6};  
static int \*p[]={a,a+1,a+2};  
int \*q[]={a+2,a+1,a} , \*ptr, i;  
for(i=0;i<3;i++)  
a[i]=\*\*p+\*\*q;  
for(i=0;i<3;i++)  
printf("%d ",a[i]); }  
(a) 4 8 12 (b) 12 12 12 (c) 8 14 14 (d) 2 4 6  
  
Q6. main()  
{ static int a[]={2,4,6};  
static int \*p[]={a,a+1,a+2};  
int \*q[]={a+2,a+1,a}, \*ptr, i; ;  
for(i=0;i<3;i++)  
a[i]=\*p[i]+\*q[i];  
for(i=0;i<3;i++)  
printf("%d ",a[i]); }  
(a) 4 8 12 (b) 12 12 12 (c) 12 22 22 (d) 8 8 14   
  
Q7. Suppose the array a starts with the base address 170 andarray p starts with the base address 180  
main()  
{ static int a[]={10,12,14,16,18};  
static int \*p[]={a,a+1,a+2,a+3,a+4} , \*\*ptr, \*s;  
ptr=p+0;  
s=a+0;  
printf("n %u %u %d %d ",s,ptr,\*s,\*\*ptr);  
ptr++; s++;  
printf("n %u %u %d %d ",s,ptr,\*s,\*\*ptr);  
\*ptr++; \*++s;  
printf("n %u %u %d %d ",s,ptr,\*s,\*\*ptr);  
++\*ptr; ++\*s;  
printf("n %u %u %d %d ",s,ptr,\*s,\*\*ptr);  
\*ptr++; \*s++;  
printf("n %u %u %d %d ",s,ptr,\*s,\*\*ptr); }  
  
Q8. main() {   
int a[5]={10,20,30,40,50},\*p;  
int i;  
p=a;  
for(i=0;i<3;i++)  
printf(" %.4d ",++p[i]); }  
(a) 10 20 30 (b) 0010 0020 0030 (c) 0011 0021 0031 (d) all garbage   
  
Q9. main()  
{ int a[][2][3]={ { {1,2,3}, { 4, 5, 6} },  
{ {7,8,9}, {10,11,12} }  
};  
printf("%u ",\*\*\*a+1+1+2);  
printf("%u ", \*\*\*(a+1)+1+2);  
printf("%u ",\*\*(\*(a+1)+1)+2);  
printf("%u ",\*(\*(\*(a+1)+1)+2)); }  
(a) error (b) 1 12 12 12 (c) 1 10 11 12 (d) 5 10 12 12  
  
Q10. main()  
{ int a[]={10,20,30};  
int \*p[3]={a}, i;  
for(i=0;i<3;i++)  
printf("%u ",p[i]);  
} suppose the base address of array a is 170  
(a) 170 172 174 (b) 170 0 0 (c) 170 and garbage addresses (d) no output  
  
Q11. main()  
{ float x[3][3][3]={1.5,2.5};  
printf("%.2f %.2f",x[0][0][0],x[2][2][2]); }  
(a) 1.50 garbage value (b) 1.50 2.50 (c) 0.00 0.00 (d) 1.50 0.00 ( e) none of these  
  
Q12. main()  
{ int a[5]={10,20,30,40,50}, \*p;  
p=a+4;  
p[-2]=50;  
printf("n%u %d",p[-2],a[2]); }  
(a) 30 50 (b) error (c) 30 30 (d) 50 30 (e) none of these  
  
Q13. main()  
{ int a[3]={10,20,30},\*p;  
for(p=a;p<&a[3];p++)  
{ \*p=p-a;  
printf("%d ",\*p); }  
}  
(a) 10 20 30 (b) garbage values (c) 1 2 3 (d) 0 1 2 (e) none of these  
  
Q14. main()  
{  
int a[3][3];  
printf("%u ",&a+0);  
printf("%u ",&a+1);  
}  
if the base address is 65506  
(a) 65506 65508 (b) 65506 65518 (c) 65506 65526 (d) 65606 65524   
  
Q15. main()  
{  
int a[]={10,20,30} , (\*p)[3]=a , i;  
for(i=0;i<3;i++)  
printf("%d ",(\*p)[i]);  
}  
(a) 10 20 30 (b) 10 0 0 (c) 10 10 10 (d) 10 and all garbage values   
  
Q16. What will be the value of a[i] will be printed out in this program?.  
main() {  
int a[3] , i;  
for(i=0;i<3;i++)  
{  
a[i]=printf("abcde"+i);  
printf("%d",a[i]);  
} }  
(a) 97 98 99 (b) 1 2 3 (c) 5 4 3 (d) all garbage values  
  
Q17. main()  
{ int a[]={10,20,30}, i,\*p,j=0;  
for(i=0;i<3;i++)  
{   
p=&a[i];  
++\*p++;  
++a[j++];  
printf("%d ",a[i]);   
}   
}  
(a) 10 20 30 (b) 11 21 31 (C) 12 22 32 (d) 13 23 33   
  
Q18. main()  
{ int a[]={10,11,12}, I;  
for(I=0;I<3;I++)  
++\*a;  
for(I=0;I<3;I++)  
printf(“%d”,a[I]);  
}  
(a) error (b) 10 11 12 (c) 11 12 13 (d) 12 13 15 (e) 13 11 12   
  
Q19. main()  
{ int a[][3]={1,2,3,4,5,6};  
int (\*p)[]={a};  
printf(“%d %d”,(\*p)[1],(\*p)[2]);  
\*p++;  
printf(“%d %d”,(\*p)[1],(\*p)[2]); }  
(a) 2 3 5 6 (b) 2 3 4 5 (c) 4 5 0 0 (d) compilation error   
  
Q20 main()  
{ char a[ ]="Jyotir";  
char b[ ]="Janmay";  
char c[10];  
c=a;  
a=b;  
b=c;  
printf("%s %s",a,b); }  
(a) Jyotir Janmay (b) Janmay Jyotir (c) Jyotir Jyotir (e) error  
  
Q21 main()  
{ char \*a="Jyotir";  
char \*b="Janmay";  
char \*c;  
c=a;  
a=b;  
b=c; printf("n %s %s ",a,b); }  
(a) Jyotir Janmay (b) Janmay Jyotir (c) Jyotir Jyotir (d) Janmay Janmay  
  
Q22 main()  
{   
int \*p=&"Janmayjay";  
printf("%s",p);   
}  
(a) Compiolation Error (b) garbage (c) J (d) Janmayjay (e) none of these  
  
Q23 main()  
{ char a[10][10];  
char \*b[10];  
char (\*c)[10];  
printf("n %d %d %d",sizeof(a),sizeof(b),sizeof(c));  
}  
(a) 100 10 10 (b) 200 20 20 (c) 100 20 2 (d) none of these  
  
Q24. main()  
{   
char \*a[2]={"Jyotir" , "Janmay"};  
printf("n%s",\*a+1);  
printf("n%s",\*(a+1));   
}  
(a) Jyotir Janmay (b) Janmay Janmay (c) yotir Janmay (d) none of thsee  
  
Q25. main()  
{ static char \*a[]={"Sanjay Sapra", "Janmayjay Sapra", "Jyotirmay Sapra"};  
printf("%s",\*(a+2)-16); }  
(a) Jyotirmay Sapra (b) Sanjay Sapra (c) Janmayjay Sapra (d) none of these  
  
Q26. main()  
{ char a[]="AABBCC";  
int i;  
for(i=0;i<3;i++)  
printf("%d",(int)a[i]);  
}  
(a) compilation error (b) 65 65 66 (c) 65 65 66 66 67 67 (d) 65 66 67  
  
Q27. main()  
{ char a[0];  
printf("%d",sizeof(a));  
}  
(a) compilation error (b) 1 (c) 2 (d) 0  
  
Q28. main()  
{  
char s[ ]={'a','b','c','n','c',''};  
char \*p,\*str,\*str1;  
p=&s[3];  
str=p;  
str1=s;  
printf("%d",++\*p + ++\*str1-32);  
}  
  
Q29. What will be the output of this program if I store 3 strings   
at time of scanf( ). “Sanjay” “Jyotirmay” “Janmayjay”  
main( )  
{ char \*q;  
int j;  
for (j=0; j<3; j++) scanf(“%s” ,(q+j));  
for (j=0; j<3; j++) printf(“%c” ,\*(q+j));  
for (j=0; j<3; j++) printf(“%s” ,(q+j));  
}  
(a) S J J Sanjay Jyotirmay Janmayjay (b) S J J  
(c) S J J Sanjay anjay njay (d) S J J SJJanmayjay JJanmayjay Janmayjay  
  
Q30 main()  
{   
char \*p;  
p="%dn";  
p++;  
p++;  
printf(p-2,300);  
}  
  
Q31. main()  
{  
char \*p = “Iyqm”;  
char c;  
c = ++\*p++;  
printf(“%c”,c);  
printf(“%s”,p);  
}  
  
Q32.  
void main()  
{ printf(“sizeof (void \*) = %d n“, sizeof( void \*));  
printf(“sizeof (int \*) = %d n”, sizeof(int \*));  
printf(“sizeof (double \*) = %d n”, sizeof(double \*));  
printf(“sizeof(struct unknown \*) = %d n”, sizeof(struct unknown\*));  
}  
  
Q33. main()  
{ char a[ ]={10,20,30,40,50,60,70,80};  
char \*ptr;  
ptr=&(a+2)[5];  
printf(“%d”,\*ptr);  
}  
  
Q34.  
main()  
{   
char \*str;  
str=(char\*) malloc(12);  
strcpy(str,”Jyotirmay”);  
printf(“%s”,str);  
str=(char\*) realloc(str,22);  
strcat(str,”Janmayjay”);  
printf(“%s”,str);   
}  
  
Q35. main( )  
{ static char \*arr[ ]={ “sanjay”, “balou” , ”Janmay” , ”Jyotir” };  
static char \*\*ptr[ ]={ arr+3, arr+2, arr+1, arr};  
char \*\*\*p=ptr;  
\*\*p++;  
printf(“%s”,\*\*p);  
printf(“%s”,\*--\*++p);  
printf(“%s”,\*p[-2]+3);  
printf(“%s”,p[-1][-1]+1);  
}  
  
Q36. What will be output if you will compile and execute the following c code?  
void main()  
{ int i=320;  
char \*ptr=(char \*)&i;  
printf("%d",\*ptr);   
}  
(a) 320 (b) 1 (c) 64 (d) Compilation error  
  
Q37. What will be output if you will compile and execute the following c code?  
void main()  
{ int array[]={10,20,30,40};  
printf("%d",-2[array]);   
}  
(a) 60 (b) -30 (c) 60 (d) Garbage value (e) Compilation error  
  
Q38. int main()  
{ char str[] = "Programming";  
printf("%s ",&str[2]);  
printf("%s ",str);  
printf("%s ",&str);  
}  
  
Q39. What will be output if you will compile and execute the following c code?  
void main()  
{ int i;  
float a=5.2;  
char \*ptr;  
ptr=(char \*)&a;  
for(i=0;i<=3;i++)  
printf("%d ",\*ptr++);  
}  
(a)0 0 0 0 (b)Garbage Garbage Garbage Garbage (c)102 56 -80 32 (d\*\*)102 102 -90 64   
  
Q40. What will be output if you will compile and execute the following c code?  
void main()   
{   
printf("%s","c" "question" "bank");   
}  
(a) c question bank (b) c (c) bank (\*\*d) cquestionbank (e) Compiler error  
  
Q41. What will be the output of the following program  
main( )  
{ char a[ ]=”hello”, b[ ]=”hello”;  
if(a==b)  
printf(“String matched “);  
else  
printf(“String not matched”);  
}  
  
Q42. main( )   
{  
printf(“%c”, “abcde”[2]);   
printf)”%c”,”abcde”+1)[2]);  
}  
  
Q43. main( )   
{ printf(“%s”, &“abcde”[2]);   
printf(”%s”,&”abcde”+1)[2]);  
}  
  
Q44. main()  
{  
static int a[3]={10,20,30},\*\*c,\*\*\*\*d;  
int \*b[]={a,a+1,a+2,a+3,a+4};  
c=b;  
d=&c;  
++\*++\*c;  
printf("%d %d %d",a[0],a[1],a[2]);  
}   
  
Q45 main()  
{  
static int a[3]={10,20,30},\*\*\*d;  
static int \*b[]={a,a+1,a+2};  
static int \*\*c[]={b,b+1,b+2};  
d=c;  
++\*++\*++\*d;  
printf("%d %d %d",a[0],a[1],a[2]);  
}  
  
Q46. main( )  
{  
if(strcmp(&“abc”,&”abc”))  
printf(“matched”);  
else  
printf(“not matched”);  
}  
(a) matched (b) not matched (c) no output (d) compilation error  
  
Q47. main( )  
{  
if(strncmpi(“ramesh”,”RAMNARESH”,3))  
printf(“matched”);  
else  
printf(“not matched”);  
}  
(a) matched (b) not matched (c) no output (d) compilation error  
  
Q48. What will the output?  
main( )  
{  
int array[ ] = {1, 2, 3, 5, 8, 13, 21, 34, 55};  
int sum = 0,i;  
for (i = 0; i < 4; i++)   
sum += array[array[i]];  
printf(“%d”,sum);  
}  
  
Q49. What will the output?  
main()  
{  
char \*p = NULL;  
char \*q = 0;  
if (p)  
printf(" p ");  
else  
printf("nullp");  
if (q)  
printf("qn");  
else  
printf(" nullqn");  
}  
  
Q50. int main()  
{  
int ary[4] = {1, 2, 3, 4};  
int \*p = ary + 3;  
printf("%d %dn", p[-2], ary[\*p]);  
}  
  
Q51. void main()  
{  
char a[10][5] = {"hi", "hello", "fellows"};  
printf("%d", sizeof(a[1]));  
}  
  
Q52. What will be output of following program?  
int main(){  
char \*ptr1 = NULL;  
char \*ptr2 = 0;  
strcpy(ptr1," c");  
strcpy(ptr2,"questions");  
printf("n%s %s",ptr1,ptr2);  
return 0;  
}  
(a) c question (b) c (null) (c) (null) (null) (d) Compilation error (e) none of these  
  
Q53.   
What will be output of following program?  
int main(){  
int a = 10;  
void \*p = &a;  
int \*ptr = p;  
printf("%u",\*ptr);  
return 0;  
}  
(a) 10 (b) address (c) 2 (d) Compilation error  
  
Q54. What will be output of following program?  
int main( )  
{  
int a,b,c,d;  
char \*p = ( char \*)0;  
int \*q = ( int \*q)0;  
float \*r = ( float \*)0;  
double \*s = 0;  
a = (int)(p+1);  
b = (int)(q+1);  
c = (int)(r+1);  
d = (int)(s+1);  
printf("%d %d %d %d",a,b,c,d);  
return 0;  
}  
(a) 2 2 2 2 (b) 1 2 4 8 (c) 1 2 2 4 (d) compilation error  
  
Q55.What will be output of following program?  
int main()  
{  
int a = 5,b = 10,c;  
int \*p = &a,\*q = &b;  
c = p - q;  
printf("%d" , c);  
return 0;  
}  
(a) 1 (b) 5 (c) -5 (d) Error (e) None of these  
  
Q56. What will be output if you will compile and execute the following c code?  
int main()  
{  
int a[2][4]={3,6,9,12,15,18,21,24};  
printf("%d %d %d",\*(a[1]+2),\*(\*(a+1)+2),2[1[a]]);  
return 0;  
}  
(a) 15 18 21 (b) 21 21 21 (c) 24 24 24 (d) Error (e) None of these  
  
Q57. What will be output if you will compile and execute the following c code?  
int main()  
{  
char arr[]="C Question Bank";  
char \*p;  
p+=3;  
p=arr;  
p+=3;  
\*p=100;  
printf("%s",arr);  
return 0;  
}  
(a) C question Bank (b) C quesdion Bank (c) C qdestion Bank (d) C q100estion Bank   
  
Q58. What will be output the following c code?  
int main()  
{  
int i;  
char \*arr[4] = {"C","C++","Java","VBA"};  
char \*(\*ptr)[4] = &arr;  
for(i=0;i<4;i++)  
printf("Address of String %d : %un",i+1,(\*ptr)[i]);  
return 0;  
}  
  
Q59. What will be output the following c code?  
int main()  
{  
int i;  
char \*arr[4] = {"C","C++","Java","VBA"};  
char \*(\*ptr)[4] = &arr;  
for(i=0;i<4;i++)  
printf("String %d : %sn",i+1,(\*ptr)[i]);  
return 0;  
}  
  
Q60. What will be output the following c code?  
int main()  
{  
int i;  
char \*arr[4] = {"C","C++","Java","VBA"};  
char \*(\*ptr)[4] = &arr;  
printf("%s",++(\*ptr)[2]);  
return 0;  
}**