**KILLIS BIRD C Question Paper**

**Date : 26-06-2024**

**Marks: 25**

1. Which of the following is the correct output for the programs given below?

#include<stdio.h>

int main()

{

int a = 0, b = 1, c = 3;

\*( (a) ? &b : &a ) = a ? b : c;

printf(“%d %d %d\n”,a,b,c);

return 0;

}

A. 0 1 3

B. 1 2 3

C. 3 1 3

D. 1 3 1

2. #include<stdio.h>

int main()

{

char str1[] = “Hello”;

char str2[] = “Hello”;

if(str1 == str2)

printf(“Equal\n”);

else

printf(“Unequal\n”);

return 0;

}

A. Equal

B. Unequal

C. Error

D. None of the above

3. #include<stdio.h>

int main()

{

printf( 5 + “Good Morning\n”);

return 0;

}

A. Good Morning

B. Good

C. M

D. Morning

4. #include<stdio.h>

int main()

{

static int arr[ ] = {0,1,2,3,4};

int \*p[ ] = {arr,arr+1,arr+2,arr+3,arr+4};

int \*\*ptr = p;

ptr++;

printf(“%d %d %d\n”, ptr-p, \*ptr-arr, \*\*ptr);

\*ptr++;

printf(“%d %d %d\n”, ptr-p, \*ptr-arr, \*\*ptr);

\*++ptr;

printf(“%d %d %d\n”,ptr-p, \*ptr-arr**,** \*\*ptr);

++\*ptr;

printf(“%d %d %d\n”,ptr-p, \*ptr-arr, \*\*ptr);

return 0;

}

A. 0 0 0

1 1 1

2 2 2

3 3 3

B. 1 1 2

2 2 3

3 3 4

4 4 1

C. 1 1 1

2 2 2

3 3 3

3 4 4

D. 0 1 2

1 2 3

2 3 4

3 4 Garbage

5. #include<stdio.h>

void fun(int);

int main( )

{

int a = 3;

fun(a);

printf(“\n”);

return 0;

}

void fun(int n)

{

if(n > 0)

{

fun(--n);

printf(“%d “,n);

fun(--n);

}

}

A. 0 2 1 0

B. 1 1 2 0

C. 0 1 0 2

D. 0 1 2 0

6. #include<stdio.h>

int main( )

{

static char \*s[ ] = {“black”,”white”,”pink”,”violet”};

char \*\*ptr[ ] = {s+3, s+2, s+1, s}, \*\*\*p;

p = ptr;

++p;

printf(“%s\n”,\*\*p+1);

return 0;

}

A. ink

B. ack

C. ite

D. Let

7. #include<stdio.h>

int main( )

{

char str1[ ] = “KILLIS”

char str2[ ] = “BIRD”;

char \*s1 = str1, \*s2 = str2;

while( \*s1++ = \*s2++);

printf(“%s\n”,str1);

return 0;

}

A. KILLISBIRD

B. BIRD

C. KILLIS

D. (null)

8. In the following program how will you print 50 using p?

#include<stdio.h>

int main()

{

int a[ ] = {10,20,30,40,50};

char \*p = (char \*) a;

return 0;

}

Write the outputs for the following programs.

9. #include<stdio.h>

#include<string.h>

int main()

{

char \*str[ ] = {“Purity”, “Divinity”, “Humanity”,”Community”};

printf(“%ld %ld\n”,sizeof(str), strlen(str[0]));

return 0;

}

10. #include<stdio.h>

int main()

{

struct value

{

int bit1 : 1;

int bit3 : 4;

int bit4 : 4;

} bit = {1,2,2};

printf(“%d %d %d\n”,bit.bit1, bit.bit3, bit.bit4);

return 0;

}

11. #include<stdio.h>

int main()

{

int i, a[ ] = {10,20,30,40,50};

char \*p = (char \*)a;

for(i=0;i<5;i++)

printf(“%d “,p[i]);

printf(“\n”);

}

12. Write the Perfect Syntax of malloc( ).

13. What is Memory leak in DMA? How to avoid it ?

14. What is Typecasting? Howmany types of it? [2M]

15. Write a program to reverse the string using recursion function. [5M]

16. Write a program to read 5 students records at runtime and sort it according to roll num. The student records must containe roll num, name & marks. [5M]

**Key Paper :**

1. C)

2. B)

3. D)

4. C)

5. D)

6. A)

7. B)

8. printf(“ %d\n”, \*((int \*) p + 4 )) ;

9. 32, 6

10. -1 2 2

11. 10 0 0 0 20