

# Zenith Electronics Technical Questions

1. What is the meaning memory allocation and why we use it ?
2. What is the meaning of physical memory and virtual memory ?
- 3 .What are the 3Ms of production ?
4. What does 6 Sigma represent ?
5. What is a register ?
6. llocating memory at runtime is also call as \_\_\_\_\_ ?
7. What is static and dynamic memory allocation ?
8. What is virtual memory ?

9. main()

```
{ int I=3;
```

```
while(I--)
```

```
{int I=100;
```

```
I--;
```

```
Printf("%d", I);
```

```
}
```

```
}
```

find output?

100 99 98 99 98 97 99 99 99 error

Ans:- 99 99 99

10. main()

```
{char ch;
```

```
for(ch='0';ch<=255;ch++)
```

```
printf("%c", ch);
```

```
}
```

Ans : infinite loop

11. some program using variable b which was not initialized so

Ans:- error

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12. main()

```
{  
int i=3;  
while (i--- )  
{  
int i=100;  
i----;  
printf("%d", i);  
}  
}
```

a) 99 99 99 b) 2 2 2 c) error d) none of the above

2. Size of which data type is same irrespective of operating system.

a) char \* b) char c) int d) float

13. main()

```
{  
unsigned char c;  
for (c=0; c!=256; c+)  
printf("%d", c);  
}
```

14. What is the output of the following program?

```
#define SQR(x) (x*x)  
main()  
{  
int a,b=3;  
a= SQR(b+2);  
printf("%d",a);
```

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}

a) 25 b) 11 c) error d) garbage value

15. In which line of the following, an error would be reported?

1. #define CIRCUM(R) (3.14\*R\*R);

2. main()

3. {

4. float r=1.0,c;

5. c= CIRCUM(r);

6. printf("\n%f",c);

7. if(CIRCUM(r))==6.28)

8. printf("\nGobbledygook");

9. }

a) line 1 b) line 5 c) line 6 d) line 7

16. What is the type of the variable b in the following declaration?

```
#define FLOATPTR float*
```

```
FLOATPTR a,b;
```

a) float b) float pointer c) int d) int pointer

17. In the following code:

```
#include<stdio.h>
```

```
main()
```

```
{
```

```
FILE *fp;
```

```
fp= fopen("trial","r");
```

```
}
```

fp points to:

a) The first character in the file.

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b) A structure which contains a "char" pointer which points to the first character in the file.

c) The name of the file. d) None of the above.

18. What is the difference between the following declarations?

```
const char *s;
```

```
char const *s;
```

Ans. No difference

19. What would be the output of the following program?

```
main()
```

```
{
```

```
char near * near *ptr1;
```

```
char near * far *ptr2;
```

```
char near * huge *ptr3;
```

```
printf("%d %d %d",sizeof(ptr1),sizeof(ptr2),sizeof(ptr3));
```

```
}
```

a) 1 1 1 b) 1 2 4 c) 2 4 4 d) 4 4 4

20. If the following program (myprog) is run from the command line as myprog friday tuesday sunday? What would be the output?

```
main(int argc, char*argv[])
```

```
{
```

```
printf("%c",**++argv);
```

```
}
```

a) m b) f c) myprog d) friday