

Here is Texas paper for you.  
 in this paper there was 20 questions as follows in 60 minutes .  
 second part consists of 36 que. in 30 minutes all questions are  
 diagrammatical.(figurs)..

1. if a 5-stage pipe-line is flushed and then we have to execute 5

and  
 12

instructions respectively then no. of cycles will be

- a. 5 and 12
- b. 6 and 13
- c. 9 and 16
- d.none

2. k-map

ab

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c	1	x	0	0
	1	x	0	x

solve it

- a. A.B
- B. ~A
- C. ~B
- D. A+B

3.CHAR A[10][15] AND INT B[10][15] IS DEFINED  
 WHAT'S THE ADDRESS OF A[3][4] AND B[3][4]  
 IF ADDRESS OD A IS OX1000 AND B IS 0X2000

- A. 0X1030 AND 0X20C3
- B. 0X1031 AND 0X20C4
- AND SOME OTHERS..

4. int f(int \*a)

```
{
int b=5;
a=&b;
}
```

main()

```
{
int i;
printf("\n %d",i);
f(&i);
printf("\n %d",i);
}
```

what's the output .

- 1.10,5
- 2,10,10
- c.5,5
- d. none

```
5. main()
{
int i;
fork();
fork();
fork();
printf("----");
}
```

how many times the printf will be executed .

- a.3
- b. 6
- c.5
- d. 8

```
6.
void f(int i)
{
int j;
for (j=0;j<16;j++)
{
if (i & (0x8000>>j))
printf("1");
else
printf("0");
}
}
```

what's the purpose of the program

- a. its output is hex representation of i
- b. bcd
- c. binary
- d. decimal

```
7. #define f(a,b) a+b
#define g(a,b) a*b
```

```
main()
{

int m;
m=2*f(3,g(4,5));
```

```
printf("\n m is %d",m);
}
```

what's the value of m

- a.70
- b.50
- c.26
- d. 69

8.

```
main()
{
char a[10];
strcpy(a,"\0");
if (a==NULL)
printf("\a is null");
else
printf("\n a is not null");}
```

what happens with it .

- a. compile time error.
- b. run-time error.
- c. a is null
- d. a is not null.

9. char a[5]="hello"

- a. in array we can't do the operation .
- b. size of a is too large
- c. size of a is too small
- d. nothing wrong with it .

10. local variables can be store by compiler

- a. in register or heap
- b. in register or stack
- c .in stack or heap .
- d. global memory.

11. average and worst time complexity in a sorted binary tree is

12. a tree is given and ask to find its meaning (parse-tree)  
(expression tree)

ans. ((a+b)-(c\*d)) ( not confirmed)

13. convert 40.xxxx into binary .

14. global variable conflicts due to multiple file occurrence  
is resolved during

- a. compile-time
- b. run-time
- c. link-time

d. load-time

15.

two program is given of factorial.

one with recursion and one without recursion .

question was which program won't run for very big no. input because

of stack overflow .

a. i only (ans.)

b. ii only

c. i& ii both .

c. none

16.

struct a

{

int a;

char b;

int c;

}

union b

{

char a;

int b;

int c;

};

which is correct .

a. size of a is always diff. form size of b.(ans.)

b. size of a is always same form size of b.

c. we can't say anything because of not-homogeneous (not in ordered)

d. size of a can be same if ...

bye..

p.sreenivasa rao

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