READ MAIL

Date:
Wed, 30 Dec 1998 18:16:10 +0500
From:
PVSAK Viswanadham <mksharma@cc.iitkgp.ernet.in> Add to
Address Book
Subject:
mbt
Organization:
Computer Science Dept., Indian Institute of Technology,
Kharagpur
To:
bkup <kgp_bkup@mailcity.com>

> mbt
> ----
> one to one negative marking is there.it is tough to qualify unless u

> know the paper.totally there are 105 questions. 70 min.
> three flow sheets------ 10 min.
> sections are quantitative(23),analytical(about 20)   ,series&venn
> diagrams,logical(20) questions from a passage (about 10). time span
for
> each section is different.sit at the back so that u can turn pages i
f
u
> want.different colored papers
> are used.
> for flow sheets
> first one is relatively easy
> 1.u will be given conditions like
>   if a wins he gets 100 pts,if b wins he gets 50 pts etc
> 2.there is flow sheet& there are empty cells(4) at "yes' or 'no"
> decision points.
> 3.for each cell 4 choices will be given which should be chosen by

> following through initial conditions &flow sheet logic.
> 4.rem. -ve marking is there.
> no verbal questions.
>
> rs aggarwals verbal& nonverbal book
> verbal---
> pg. 254   pr. 53 to56(almost same)
> 246   eg.2
> pg 104 exer.3a about 5to 6 series qu.are there.so do well
> pg.354-355   8,13,
>   6th doubt
> 4 conclusions r there in all ques.
> pg.115----qu.36
> nonverbal----pg.5
> 41,54,108,145,158
> 241 is doubtful
> --------------
> ans. to one quant. is 200/3 %
>
> anals
> 1.six persons will be there.
> killer,victim,hangman,judge,police,vitness
>   a,b, c,d,e,f
> u have to match
> conditions like,a is the last person to the victim alive,will be
given
> as
> clues.so we can conclude that a is the killer.
> this is an easy one .paragraph will be very big .don' worry
> 5 to 6 ques.
> 2.
> 5 persons will be there.
> cashier, clerk,buyer,manager,floorwalker(check in info. paper for
exact
> ques.)
> a,b,c,d,e will be their names.
> conditions will be given&we have to match who is who
> 3 r women&2 r men in this
> sample condition,
> cashier&clerk if get married, b will be wise man
> mrs.c husband has some business prob with manager
> manager&cashier(or clerk) r classmates
> etc. will be given
>
> do quantitative qu. from back.
>
> data graphs on turnover,gross profit &net profit will be given&
> u have to extract data from that &find out few ratios.(easy one)

```
********************************************************************
********************************************************************
```

This is PCS paper

1. #include <stdio.h>
 * What is wrong in the following problem

```
main() {
int i,j;
j = 10;
i = j++ - j++;
printf("%d %d", i,j);
}
ans: 0, 12
```

2.#include <stdio.h>
 * What is the output of the following problem
```
main() {
int j;
for(j=0;j<3;j++)
 foo();
}
foo() {
static int i = 10;
i+=10;
printf("%d\n",i);
}
```

```
/*  Out put is   (***since static int is used i value is retained
between
 *  20             function calls )
 *  30
 *  40
 *
/
```

3.#include <stdio.h>
#include <stdio.h>
#include <string.h>
/* This is asked in PCS Bombay walk-in-interview
 * What is wrong in the following code
 */
```
main()
{
  char  *c;
  c = "Hello";
  printf("%s\n", c);
}
```

```
/*ans:- Hello,  The code is successfully running  */

4.   #include <stdio.h>
/* This problem is given in PCS BOMBAY walk-in-interview.
 * What is the final value of i and how many times loop is
 * Executed ?
 */

main()

{
  int i,j,k,l,lc=0;
  /* the input is given as 1234 567  */
  printf("Enter the number string:<1234 567 >\n");
  scanf("%2d%d%1d",&i,&j,&k);
  for(;k;k--,i++)
  for(l=0;l<j;l++) { lc++;
  printf("%d %d\n",i,l);}
printf("LOOPS= %d\n", lc-1);
}
/*  Ans:  i = 16, and loop is executed for 169 times */

5.#include <stdio.h>
/* This is given in PCS Bombay walk-in-interview   */
/* What is the output of the following program     */

main() {
        union {
                int a;
                int b;
                int c;
              } u,v;
        u.a = 10;
        u.b = 20;
        printf("%d %d \n",u.a,u.b);
      }
/* Ans :  The latest value assigned to any of the union member
          will be present in the union members so answer is
          20 20
*/
6.#include <stdio.h>
main()
{
  float i, j;
  scanf("%f %f", &i, &j);
      printf("%.2f %.3f", i, j);
}

/Ans:- 123.34 3. 234  */
```

```
7.#include <stdio.h>
/* This is given in PCS Bombay walk-in-interview
 * What is the out put of the following problem  ?
 */

main()
{
   char *str = "12345";
   printf("%c %c %c\n", *str, *(str++), *(str++));
}
/*  Ans:  It is not 1 2 3
 *        But it is 3 2 1 Why ??
 */

8.#include <stdio.h>
/* This problem is asked in PCS Bombay Walk-in-interview
 * Write a macro statement to find maximum of a,b
 */
#define max(a,b)   (a>b)?a:b
main()
{
    int a,b;
    a=3;
    b=4;
    printf("%d",max(a,b));
}
/* Ans is very simple the coding is just for testing it
 and output is 4 */

~
9.#include <stdio.h>
/* This problem is asked in PCS Bombay
 * What is the output of the following coding
 */

main()
{
  int len=4;
  char *st="12345678";
  st = st -len;
  printf("%c\n",*st);
}
/* Ans : It will print some junk value */
~
10.#include <stdio.h>
main()
{
  func(1);
}
func(int i){
```

```
static char *str ={ "One","Two","Three","Four"};
printf("%s\n",str[i++]);
return;
}
/* Ans:- it will give warning because str is pointer to the char but
    it is initialized with more values
    if it is not considered then the answer is Two   */


11.
 #include <stdio.h>
main()
{
  int i;
  for (i=1;i<100; i++)
  printf("%d %0x\n",i,i);
}
/* Ans:- i is from 1 to 99 for the first format,
         for the second format 1to9, ato f, 10 to 19,1ato1f, 20 to 29,

etc */



12.#include <stdio.h>
/*  This problem is asked in PCS Bombay walk-in-interview
 *  In the following code please write the syntax for
 *  assing a value of 10 to field x of s and id_no 101 of s
 */
struct {
        int x;
        int y;
        union {
                int id_no;
                char *name;
            }b;
      }s,*st;
main()
{
    st = &s;
    st->x=10;
    st->b.id_no = 101;
    printf("%d %d\n",s..x,s.b.id_no);
}
/*  Ans: The answer is st->x=10;
 *                     st->b.id_no=101;
 */
13.#include <stdio.h>
/*   This problem was asked in PCS Bombay in a walk-in-interview
 *    Write a recursive function that calculates
 *    n * (n-1) * (n-2) * .......  2 * 1
 */
```

```
main() {
int factorial(int n);
int i,ans;
printf("\n Enter a Number:");
scanf("%d",&i);
ans = factorial(i);
printf("\nFactorial by recursion = %d\n", ans);
}
int factorial(int n)
{
  if (n <= 1)  return (1);
  else
    return ( n * factorial(n-1));
}
```

~
```
14.#include <stdio.h>
/* This problem is asked in PCS Bombay walk-in-interview
 * What is the output of the following problem
 */
main(){
int j,ans;
j = 4;
ans = count(4);
printf("%d\n",ans);
}
int count(int i)
{
 if ( i < 0) return(i);
 else
 return( count(i-2) + count(i-1));
}

/*  It is showing -18 as an answer */

15.#include<stdio.h>
main()
{
 int i=4;
 if(i=0)
 printf("statement 1");
 else
 printf("statement 2");
}
/* statement 2 */
```

This is pcsb paper.

```
1. #include <stdio.h>
 * What is wrong in the following problem

main() {
int i,j;
j = 10;
i = j++ - j++;
printf("%d %d", i,j);
}
ans: 0, 12

2.#include <stdio.h>
 *  What is the output of the following problem
main() {
int j;
for(j=0;j<3;j++)
 foo();
}
foo() {
static int i = 10;
i+=10;
printf("%d\n",i);
}

/*  Out put is    (***since static int is used i value is retained
between
 *  20             function calls )
 *  30
 *  40
 *
/

3.#include <stdio.h>
#include <stdio.h>
#include <string.h>
/* This is asked in PCS Bombay walk-in-interview
 * What is wrong in the following code
 */
main()
{
  char  *c;
  c = "Hello";
  printf("%s\n", c);
}
/*ans:- Hello,  The code is successfully running  */

4.   #include <stdio.h>
/* This problem is given in PCS BOMBAY walk-in-interview.
 * What is the final value of i and how many times loop is
 * Executed ?
```

```
 */

main()

{
  int i,j,k,l,lc=0;
  /* the input is given as 1234 567  */
  printf("Enter the number string:<1234 567 >\n");
  scanf("%2d%d%1d",&i,&j,&k);
  for(;k;k--,i++)
  for(l=0;l<j;l++) { lc++;
  printf("%d %d\n",i,l);}
printf("LOOPS= %d\n", lc-1);
}
/*  Ans:  i = 16, and loop is executed for 169 times */

5.#include <stdio.h>
/* This is given in PCS Bombay walk-in-interview   */
/* What is the output of the following program     */

main() {
        union {
                   int a;
                   int b;
                   int c;
                } u,v;
        u.a = 10;
        u.b = 20;
        printf("%d %d \n",u.a,u.b);
      }
/* Ans :  The latest value assigned to any of the union member
           will be present in the union members so answer is
           20 20
*/
6.#include <stdio.h>
main()
{
  float i, j;
  scanf("%f %f", &i, &j);
      printf("%.2f %.3f", i, j);
}

/Ans:- 123.34 3. 234  */

7.#include <stdio.h>
/* This is given in PCS Bombay walk-in-interview
 * What is the out put of the following problem  ?
 */

main()
```

```
{
   char *str = "12345";
   printf("%c %c %c\n", *str, *(str++), *(str++));
}
/*  Ans:  It is not 1 2 3
 *        But it is 3 2 1 Why ??
 */


8.#include <stdio.h>
/* This problem is asked in PCS Bombay Walk-in-interview
 * Write a macro statement to find maximum of a,b
 */
#define max(a,b)  (a>b)?a:b
main()
{
    int a,b;
    a=3;
    b=4;
    printf("%d",max(a,b));
}
/* Ans is very simple the coding is just for testing it
 and output is 4 */


~
9.#include <stdio.h>
/* This problem is asked in PCS Bombay
 * What is the output of the following coding
 */

main()
{
  int len=4;
  char *st="12345678";
  for(i=0; i<6; i++)
  st = st -len;
  printf("%c\n",*st);
}
/* Ans : It will print some junk value */
~
10.#include <stdio.h>
main()
{
  func(1);
}
func(int i){
static char *str ={ "One","Two","Three","Four"};
printf("%s\n",str[i++]);
return;
}
/* Ans:- it will give warning because str is pointer to the char but
```

```
    it is initialized with more values
    if it is not considered then the answer is Two   */

11.
 #include <stdio.h>
main()
{
  int i;
  for (i=1;i<100; i++)
  printf("%d %0x\n",i,i);
}
/* Ans:- i is from 1 to 99 for the first format,
        for the second format 1to9, ato f, 10 to 19,1ato1f, 20 to 29,

etc */
```

```
12.#include <stdio.h>
/*  This problem is asked in PCS Bombay walk-in-interview
 *  In the following code please write the syntax for
 *  assing a value of 10 to field x of s and id_no 101 of s
 */
struct {
        int x;
        int y;
        union {
                int id_no;
                char *name;
            }b;
     }s,*st;
main()
{
    st = &s;
    st->x=10;
    st->b.id_no = 101;
    printf("%d %d\n",s.x,s.b.id_no);
}
/*  Ans: The answer is st->x=10;
 *                     st->b.id_no=101;
 */
13.#include <stdio.h>
/*   This problem was asked in PCS Bombay in a walk-in-interview
 *   Write a recursive function that calculates
 *   n * (n-1) * (n-2) * ....... 2 * 1
 */

main() {
int factorial(int n);
int i,ans;
printf("\n Enter a Number:");
```

```
scanf("%d",&i);
ans = factorial(i);
printf("\nFactorial by recursion = %d\n", ans);
}
int factorial(int n)
{
  if (n <= 1)  return (1);
  else
    return ( n * factorial(n-1));
}


~
14.#include <stdio.h>
/* This problem is asked in PCS Bombay walk-in-interview
 * What is the output of the following problem
 */
main(){
int j,ans;
j = 4;
ans = count(4);
printf("%d\n",ans);
}
int count(int i)
{
 if ( i < 0) return(i);
 else
 return( count(i-2) + count(i-1));
}

/*  It is showing -18 as an answer */

15.#include<stdio.h>
main()
{
 int i=4;
 if(i=0)
 printf("statement 1");
 else
 printf("statement 2");
}
/* statement 2 */
```

This is pcs pune.

 1. Men in the order type - Eswar Rao
 2. Optional
 3. Latter
 4. Cease

5. There r 3 boys 7 4 girls; Howmany ways they r arranged
   such that boys should be always together ???

   (Ans: 240

6. If n.....; What is the max no that divides

    (Ans: 8)

7. A,B,C,D has values from 0 to 9.... What is D ?

  (Ans: 6)

8. A wodden piece taken which is in shape of Triangle ,
   of 10 X 24 X 26 ; Then cut at some ..... which is rearranged
   in rectangle format; so what is ...

   (Ans: 5)

9. There r 5 numbers. The average is 25; the highest value
   excluded then average is 25, if the lowest is excluded the avg is .
.
   Then average of remaining is ?

   (Ans: 30)

10. The square is cut such that the end point of one side is
     shown in fig.. This is repeated two times, what is the area ??

    (Ans: 3.61)

11. The route problem... what is the shortest rout to p1 to p2...
     (There may be circle figure......)

    (Ans: From p1 to 0 & form 0 to p8)

12. Two motor cycles A & B are started from one point at
    4 Kmph & 6 Kmph; After 45 min B starts returning , at what
    time they will reach....

    (Ans: 3.6 km)

13. All integer from 0 to 9, what is the smallest no perfectly devides
;

   (Ans: c)

14. Some figure (Triangle in a rectangle)..... What is perimeter
if triangle

(Ans: 20)