

(answers may not be correct please be careful)

2.  $M > D > Y$                       ans: (a)

6. 10 in 4 seconds,  
? in 6 minutes                       $= 10 \times 6 \times 60 / 4 = 900$                       ans: (a)

7.  $a=2, b=4, c=5$   
 $(a+b)/c - c/(a+b) = 11/30$  (ans).

8.  $100(1000000000+1000000000)/10000 = 2 \times 10000000$  (ans).

9. what does the hexanumber E78 in radix 7.  
(a) 12455    (b) 14153    (c) 14256    (d) 13541    (e) 131112                      ans: (d)

10. Q is not equal to zero    and     $k = (Q \times n - s)/2$                       find    n?  
(a)  $(2 \times k + s)/Q$     (b)  $(2 \times s \times k)/Q$                       (c)  $(2 \times k - s)/Q$   
(d)  $(2 \times k + s \times Q)/Q$                       (e)  $(k + s)/Q$

(from GRE book page no:411)

data:

A causes B or C, but not both  
F occurs only if B occurs  
D occurs if B or C occurs  
E occurs only if C occurs  
J occurs only if E or F occurs  
D causes G,H or both  
H occurs if E occurs  
G occurs if F occurs

11. If A occurs which of the following must occurs

I. F & G  
II. E    and H  
III. D

(a) I only    (b) II only    (c) III only    (d) I,II, & III  
(e) I & II (or) II & III but not both                      ans: (e)

12. If B occurs which must occur

(a) D    (b) D and G    (c) G and H    (d) F and G    (e) J                      ans: (a)

13. If J occurs which must have occurred

(a) E    (b) either B or C    (c) both E & F    (d) B    (e) both B & C  
ans: (b)

14. which may occurs as a result of cause not mentioned

(1) D    (2) A    (3) F

(a) 1 only    (b) 2 only    (c) 1 & 2    (d) 2 & 3    (e) 1,2,3    ans: (c)  
)

15. E occurs which one cannot occurs

(a) A    (b) F    (c) D    (d) C    (e) J    ans: (b)

11 to 15:-    -----    e , a , b , c , b    -----

16. to 20. answers:    a,b,a,c,d (or A,B,A,C,D) mostly small letters i.e

not the A,B, etc. given in question, a,b, etc. are

the answers of a,b,c,d,e the five choices.

16 to 20:-    -----    a , b , a , c , d    -----

HCL in Anna University they have conducted written test after the G.D. also in written test in each section you have to get minimum marks i.e you have to pass in each section. There will be questions from C, C++, JAVA. about 10 questions in C++ in the written test.

so read well all the above i.e C, C++, JAVA and all and get through the test.

WISH YOU GOOD LUCK.

RAMCO 'C' QUESTION PAPER

\*\*\*\*\*

1).

```

-----
main()
{
    char *p1="Name";
    char *p2;
    p2=(char *)malloc(20);
    while(*p2++=*p1++);
    printf("%s\n",p2);
}

```

Ans : An empty String

2) .

```

-----
main()
{
    int x=20,y=35;
    x = y++ + x++;
    y = ++y + ++x;
    printf("%d %d\n",x,y);
}

```

Ans    57    94

3) .

```

-----
main()
{
    int x=5;
    printf("%d %d %d\n",x,x<<2,x>>2);
}

```

Ans    5 20 1

4) .

```

-----
#define swap1(a,b) a=a+b;b=a-b;a=a-b;
main()
{
    int x=5,y=10;
    swap1(x,y);
}

```

```

        printf("%d %d\n",x,y);
        swap2(x,y);
        printf("%d %d\n",x,y);
    }

```

```

int swap2(int a,int b)
{
    int temp;
    temp=a;
    b=a;
    a=temp;
    return;
}

```

Ans                      10      5  
                          10      5

5) .

---

```

main()
{
    char *ptr = "Ramco Systems";
    (*ptr)++;
    printf("%s\n",ptr);
    ptr++;
    printf("%s\n",ptr);
}

```

Ans              Samco Systems  
                  amco Systems

6) .

---

```

#include<stdio.h>
main()
{
    char s1[]="Ramco";
    char s2[]="Systems";
    s1=s2;
    printf("%s",s1);
}

```

Ans      Compilation error giving it cannot be an modifiable 'lvalue'

7) .

---

```
#include<stdio.h>
main()
{
    char *p1;
    char *p2;
    p1=(char *) malloc(25);
    p2=(char *) malloc(25);
    strcpy(p1,"Ramco");
    strcpy(p2,"Systems");
    strcat(p1,p2);
    printf("%s",p1);
}
```

Ans : RamcoSystems

8).

---

[1]. The following variable is available in file1.c

```
static int average_float;
```

Ans            all the functions in the file1.c can access the variable

9).

---

Ans        :        [2]. extern int x;

Check the answer

10).

---

[3]. Another Problem with

```
# define TRUE 0
```

```

some code

while(TRUE)
{
    some code
}

```

This won't go into the loop as TRUE is defined as 0  
 Ans NONE OF THE ABOVE i.e D

11) .

---

Ans : [4]. A question in structures where the members are  
 dd,mm,yy.

```

mm:dd:yy
09:07:97

```

12) .

---

Ans : [5]. Another structure question

```

1 Rajiv System Analyst

```

13) .

---

Answer

```

INFILE.DAT is copied to OUTFILE.DAT

```

14) .

---

A question with argc and argv .

```

Input will be

```

```

c:\TEMP.EXE Ramco Systems India

```

Output will be

```
India: I n d i a
Systems: S y s t e m s
Ramco: R a m c o
```

Answer is choice d

15).

---

Structure swap

```
Ramco India
Ramco Systems Corporation
Ramco ... Limited .
```

After swapping the result will be

First two will be swapped.

```
Ramco Systems Corporation
Ramco India
Ramco ... Limited .
```

16).

---

```
int x;
main()
{
    int x=0;
    {
        int x=10;
        x++;
        change_value(x);
        x++;
        Modify_value();
        printf("First output: %d\n",x);
    }
    x++;
    change_value(x);
    printf("Second Output : %d\n",x);
    Modify_value();
}
```

```

        printf("Third Output : %d\n",x);
    }

Modify_value()
{
    return (x+=10);
}

change_value()
{
    return(x+=1);
}

```

Ans : 12 1 1

17) .

---

```

main()
{
    int x=10,y=15;
    x=x++;
    y=++y;
    printf("%d %d\n",x,y);
}

```

Ans : 11 16

18) .

---

```

main()
{
    int a=0;
    if(a=0) printf("Ramco Systems\n");
}

```



```

        printf("Ramco Systems\n");
}

```

Ans : Ony one time  
           "Ramco Systems"  
           will be printed

\*\*\*\*\*

[Part 2, "" Text 150 lines]  
 [Not Shown. Use the "V" command to view or save this part]

QUESTION PAPER STARTS.THE FILENAME IS RAMQP.I HOPE ITIS RAMCO

1) A - G are 7 consecutive +ve integers not necessarily in the same order

- 1) B is the middle number
- 2) D is 3 less than c
- 3) the difference between F & A is equal in magnitude and sign to the difference between E & C
- 4) Neither F nor C lie between E & G

a) What is the value of B-F

1            2            -1            -2            cannot be determined

b) which is greatest

F            C            A            E            cannot be determined

c) Given both A & B are primes what is the lowest value of E

8            6            9            12            cannot

2) Given that a,b,c,d,e each represent one of the digits between 1-9 and that the following multiplication holds

```

a b c d e
      4
-----
e d c b a

```

What digit does e represent

- a) 4
- b) 6

- c) 7
- d) 8
- e) none

1. How many bytes does an array A(1:8,-2:2,1:5) require for storage if each element of the array is 24 bits long.

200      480      600      800      none

2.      begin

```

        i:=0;
        j:=0;      | block d

```

loop:

```

        if(i != 0)
            i := i-1;
        else
            i := i+1;

```

```

        i := i+1;              | block a
        j := j+1;              | block b

```

```

        if (j <= 25)
            goto loop;

```

end                              | block c

a) What is the value of i at [c]  
2 ?

b) How many times is the goto executed  
25 ?

c) How many times is the loop executed if i is initialized to  
1 in [d] 26

d) How many times is the loop entered if the block [b] is  
changed to j=j+1 ?

e) What is the value of i at [c] interchanging blocks [a] and  
[b] ?  
2 ?

Follow the instructions given below [ From 1 to 8 ]

1. A cause B or C but not both
2. F occurs only if B occurs
3. D occurs if B or C occurs
4. E occurs if only c occurs
5. J occurs only if E or F occurs
6. H occurs if E occurs
7. D causes G, H or Both.
8. G occurs if F occurs.

#### Questions

-----

1. If A occurs which of the following may occur

1. F & G (ii) E & H (iii) D

Ans

---

- (a) 1 only (b) 2 only (c) 3 only (d) 1,2,3 or 2 & 3 but not 1  
(e) 1,2 & 3

2. If B occurs which must occur

Ans

---

- (a) F & G (b) D & G (c) D (d) G & H (e) J

3. If J occurs which must occur

Ans

---

- (a) E (b) Both E & F (c) Either B or C (d) B (e) Both B & c

4. Which may occur as a result by a cause not mentioned.

(I) D (II) A (III) F

Ans

- (a) I only (b) II (c) I & II (d) II & III (e) I,II,III

5. If E occurs which cannot occur.

(a) F (b) A (c) D (d) C (e) J

```
#include<stdio.h>
int SumElement(int *,int);
void main(void)
{
    int x[10];
    int i=10;
    for(;i;)
    {
        i--;
        *(x+i)=i;
    }
    printf("%d",SumElement(x,10));
}
int SumElement(int array[],int size)
{
    int i=0;
    float sum=0;
    for(;i<size;i++)
        sum+=array[i];
    return sum;
}
```

```
#include<stdio.h>
void main(void);
int printf(const char*,...);
void main(void)
{
    int i=100,j=10,k=20;
--    int sum;
    float ave;
    char myformat []="ave=%.2f";
    sum=i+j+k;
    ave=sum/3.0;
    printf(myformat,ave);
}
```

```
#include<stdio.h>
void main(void);
void main(void)
{
```

```

        int a[10];
        printf("%d", ((a+9) + (a+1)));
    }

```

```

#include<stdio.h>

```

```

void main(void);
void main(void)
{
    struct s{
        int x;
        float y;
    }s1={25,45.00};
    union u{
        int x;
        float y;
    } u1;
    u1=(union u)s1;
    printf("%d and %f",u1.x,u1.y);
}

```

```

#include<stdio.h>
void main(void)
{
    {
        unsigned int c;
        unsigned x=0x3;
        scanf("%u",&c);
        switch(c&x)
        {
            case 3: printf("Hello!\t");
            case 2: printf("Welcome\t");
            case 1: printf("To All\t");
            default:printf("\n");
        }
    }
}

```

```

#include<stdio.h>
int fn(void);
void print(int,int(*)());
int i=10;
void main(void)
{
    int i=20;
    print(i,fn);
}

```

```

void print(int i,int (*fn1)())
{
    printf("%d\n",(*fn1)());
}

int fn(void)
{
    return(i-=5);
}

#include<stdio.h>
void main(void);
void main(void)
{{
    char numbers[5][6]={"Zero","One","Two","Three","Four"};
    printf("%s is %c",&numbers[4][0],numbers[0][0]);
}

int bags[5]={20,5,20,3,20};
void main(void)
{
    int pos=5,*next();
    *next()==pos;
    printf("%d %d %d",pos,*next(),bags[0]);
}
int *next()
{
    int i;
    for(i=0;i<5;i++)
        if (bags[i]==20)
            return(bags+i);
    printf("Error!");
    exit(0);
}

#include<stdio.h>
void main(void)
{
    int y,z;
    int x=y=z=10;
    int f=x;
    float ans=0.0;
    f *=x*y;
    ans=x/3.0+y/3;
    printf("%d %.2f",f,ans);
}

```

```

#include<stdio.h>
void main(void);
double dbl=20.4530,d=4.5710,dblvar3;
void main(void)
{
    double dbln(void);
    dblvar3=dbln();
    printf("%.2f\t%.2f\t%.2f\n",dbl,d,dblvar3);
}
double dbln(void)
{
    double dblvar3;
    dbl=dblvar3=4.5;
    return(dbl+d+dblvar3);
}
#include<stdio.h>
static int i=5;
void main(void)
{
    int sum=0;
    do
    {
        sum+=(1/i);
    }while(0<i--);
}
#include<stdio.h>
void main(void)
{
    int oldvar=25,newvar=-25;
    int swap(int,int);
    swap(oldvar,newvar);
    printf("Numbers are %d\t%d",newvar,oldvar);
}
int swap(int oldval,int newval)
{
    int tempval=oldval;
    oldval=newval;
    newval=tempval;
}
#include<stdio.h>
void main(void);
void main(void)
{
    int i=100,j=20;
    i+=j;
    i*=j;
    printf("%d\t%d\n",i,j);
}
#include<stdio.h>
void main(void);

```

```

int newval(int);
void main(void)
{
    int ia[]={12,24,45,0};
    int i;
    int sum=0;
    for(i=0;ia[i];i++)
    {
        sum+=newval(ia[i]);
    }
    printf("Sum= %d",sum);
}
int newval(int x)
{
    static int div=1;
    return(x/div++);
}
#include<stdio.h>
void main(void);
void main(void)
{
    int var1,var2,var3,minmax;
    var1=5;
    var2=5;
    var3=6;
    minmax=(var1>var2)?(var1>var3)?var1:var3:(var2>var3)?var2:var3
;
    printf("%d\n",minmax);
#include<stdio.h>
void main(void);
void main(void)
{
    void pa(int *a,int n);
    int arr[5]={5,4,3,2,1};
    pa(arr,5);
}

void pa(int *a,int n)
{
    int i;
    for(i=0;i<n;i++)
        printf("%d\n",*(a++)+i);
}
#include<stdio.h>
void main(void);
void print(void);
void main(void)
{
    print();
}

```



```

void f1(void)
{
    printf("\nf1():");
}

#include "6.c"
void print(void)
{
    extern void f1(void);
    f1();
}
static void f1(void)

{
    printf("\n static f1().");
}

```

```

#include<stdio.h>
void main(void);
static int i=50;
int print(int i);
void main(void)
{
    static int i=100;
    while(print(i))
    {
        printf("%d\n",i);
        i--;
    }
}
int print(int x)
{
    static int i=2;
    return(i--);
}

```

```

#include<stdio.h>
void main(void);
typedef struct NType
{
    int i;
    char c;
    long x;
} NewType;
void main(void)
{

```

```

NewType *c;

c=(NewType *)malloc(sizeof(NewType));
c->i=100;
c->c='C';
(*c).x=100L;
printf("(d,%c,%4Ld)",c->i,c->c,c->x);
}

```

```

#include<stdio.h>
void main(void);
const int k=100;
void main(void)
{
    int a[100];
    int sum=0;
    for(k=0;k<100;k++)
        *(a+k)=k;
    sum+=a[--k];
    printf("%d",sum);
}

```

RAMCO PAPER.

MARKS-----60---TOATAL  
 QUANTITATIVE -----30  
 ENGLISH-----30

HAI FRIENDS

here i am sending ramco paper.here in  
 iitm and  
 anna university they have given different papers.so don't depend fully  
 on  
 this paper.quantitative is very easy.you can easily solve.  
 BEST OF LUCK.

Directions: Each of the following question has a question and two  
 statements labelled as (i) and (ii). Use the data/information given  
 in (i) and (ii) to decide whether the data are sufficient to answer  
 the question record your answer as

- a) if you can get the answer from (1)alone but not from (2)
  - b) if you can get the answer from (2)alone but not from (1)
  - c) if can get the answer from (1)and (2)together ,although  
 neither statement by itself suffice
  - d) if statement (1)alone suffices and statement (2) alone also suffice
- .

e) if can't get the answer from statements (1) and (2) together you need more data.

1) what will be the population of city X in 1991?

1) population of city % has 55 annual growth rate

2) in 1991, the population of city X was 8 million

ans) C

2) was it rani's birthday yesterday?

1) lata spends rs 100/ in rani's birthday

2) lata spends rs 100/ yesterday

ans) E

3) is  $3*5$  is greater  $4*6$ ?

1)  $a*b = b*a$       2)  $a*b$  is the remainder of  $ab\%(a+b)$

ans) B

4) will the graph X-Y pass through the origin?

1) x proportional to the Y

2) increment in y per units rise of x is fixed.

ans) E

5) what was the value of the machine 2 years ago?

1) the depreciation of the value of the machine per year is 10%

2) present value of the machine is rs 8000/

ans) C

6) What will be the area of a square that can be inscribed in a circle ?

1) Radius of the circle is T

2) Length of a diagonal of the square is  $2r$

ans) D

7) Can it be concluded that the port made more profit in 1988 than in

1987

1) 1987

Total tonnage handled by the port	10 million tonnes	Expenditure made by the port to handle one tonne of cargo
		Rs 20/-

2) 1988

Total tonnage handled by the port	12.5 million tonnes	Expenditure made by the port to handle one tonne of cargo
		Rs 25/-

|\_\_\_\_\_|

ans) E

8) There are two figures viz., a circle and a square. Which having greater area?

1) Perimeter of the circle is the same as the perimeter of the square.

2) Eleven times the radius is equal to seven times the length of one side of the square.

ans) D

9) A candidate who was found to be under weight in medical test had been

selected provisionally subject to his attainment of 60Kg weight within

one year. What should be the percentage increase of his weight so that

selection is confirmed after one year.

1) Weight (Kg)=16+8 Height (ft) is standard equation for the Indian population. The candidate's height is 5.5

2) His present weight is 55Kg.

ans) D

10) Is angle  $\theta = 90^\circ$

1)  $\sin^2(\theta) + \cos^2(\theta) = 1$

2)  $\sin^2(\theta) - \cos^2(\theta) = 1$

ans) E

11) What will be the average age of workers of an Institution after two years?

1) Present average age is 35 years

2) There are total 20 workers in the Institution

ans) A

12) Can it be concluded that forestry is getting increasing importance in

India? ( Disregarding the change in money value )

1)

---

Name of the plan

Expenditure on Forest  
(Crores of rupees)

---

First five year plan	10
Second five year plan	19

---

2)

---

Name of the plan	Expenditure on Forest (Crores of rupees)
------------------	---

---

First five year plan	46
Second five year plan	92.5

---

ans) E

13) Is  $AB > AM$  ( A Triangle is given )

1)  $AB < AC$

2) M is any point other than B and C on BC

ans) E

14) Is  $X^2 + Y^2 < X + Y$ ?

1)  $0 < X < 1$

2)  $0 < Y < 1$  and  $X \neq Y$  (X not equal to Y)

ans) C

15) Can it be concluded that angle ABO = angle ODC

1) ABCD is a Parallelogram and O is the point of intersection of the diagonals.

2) Angle DOC = 75deg. and angle DAO = 35deg.

ans) A

16) What is the value of  $x + y$ ?

1)  $2y = x + 6$

2)  $5x = 10y - 30$

ans) E

17) How many students are there in the class?

1) 30 students play foot ball and 40 play cricket .

2) Each student plays either foot ball or cricket or both.

ans) E

18) What is the value of  $a:b$ ?

1)  $a = x + 10\% \text{ of } x$

2)  $b = a + 10\% \text{ of } a$   
 ans) B

19) What is the maximum value of the expression  $5 + 8x - 8x^2$ ?

- 1) x is real
  - 2) x is not positive
- ans) C

20) What will be the value of the greatest angle of the triangle ABC?

- 1) Angles of the triangle are in the ration 2:5:3
  - 2) The side opposite to the greatest angle is the longest side.
- ans) A

21) What is the range of values of x?

1)

$$\frac{x-2}{2x+5} < \frac{1}{3}$$

2)

$$\frac{2x}{3} + \frac{17}{3} > 3x - 20$$

ans) D

22) Of the two which one is the greater?

$$\frac{-3}{x}, \frac{-3}{y}$$

1)  $x, y > 0$

2)  $x < y$

ans) C

23) What percentage of the candidates passed both in science and mathematics?

- 1) 52 percent of the candidates failed in science
- 2) 42% of the candidates failed in mathematics

ans) C

24. How much pure  $\text{H}_2\text{SO}_4$  (HYDRO SULFURIC ACID) should be added to bring down the percentage of impurity to 5%?

1. 50 liters of pure  $\text{H}_2\text{SO}_4$  was diluted
2. dilution was to the extent of 20%

ans:c

25. What is the cost of building when architects feeses was 70,000

1. Architect gets 10% for the first Rs. 50000 of the cost of building
2. Architect gets 3% on the cost of the building over 50000

ans:C

26 What is the value of BC?

( here one triangle figure is there )

1.  $AP=4$

2.  $PQ=5$

ans: E

27. What is the area of the shaded portion (assume AB, CD are arcs of two

circles with centre at o.)

Here one arc figure is there

1.  $CA=20m$

2.  $CB=5m$

ans:C

28. What is the area of the greatest circle that can be cut from rectangular paper

1. length of the paper is 30cm

2. Width of the paper is 21cm

ans:B

29. Y is what percentage of X?

1.  $0.3x=Y$  2.  $3x-10y=0$

ans:D

30. What is the area of the trapezium abcd where Ab is 5cm

1.  $BC=7CM$

2.  $AB+CD= 16CM$

ans:B or C

31 . Directions :- each sentence below has one or two blanks each blank

indicating that something has been omitted beneath the sentence or five

letter words . choose the word for set of words for each blank that best fits the meaning of one sentence as a whole.

31. The air was bitter cold, the temperature well below the freezing point , yet they found themselves -----freely as they clambered up the steep northern slope

ans: disporting

32. We were taken \_\_\_\_\_ when we \_\_\_\_\_ of his defection never having suspected that he was anything but loyal. So capable had been his ---

or \_\_\_\_\_ and devotion to cease

ans: presentiment

33. WAR and peace are mutually(-----)states of being and war to preserve peace not a paradox . It is a(-----)

ans:c incompatible -- contradiction

34. For those who believe in the -- ---theory of history being ----- it is

ipso facto testimony to behind the scenes intrigue and plotting.

ans:e marxist --confession

35. Although the injury appeared --- the examination by the ophthalmologist revealed that he would need immediate surgery to save his sight.  
ans: superficial

ANTONIAMS

- 41. CORROBORATIVE --- REFUTABLE
- 42. noxious ---- harmless
- 43. sanction -- hinder
- 44. empirical -- experimental
- 45. aborigine -- emigrant

Directions for questions . 56- 60 . questions 56 -60 are based on the following information

A port has four berths W,V,X,Y of these two are general cargo berth, one

is

a fertiliser berth and one is for liquid cargo, when vessel A arrived

she

was berthed at berth V. But the vessel B which along with A had to wait

prior to berthing as vessel C was working in berth Y and vessel D was working in berth W .Vessel E came to unload fertiliser and did not have

to

wait. All are specialised berths that is general cargo vessel.has to work

only in a general cargo berth. So is true for fertiliser vessel and liquid

cargo vessel.

56. The vessel E should be allotted to the berth.

ans: X

57. Which of the following berth can accept a vessel carrying liquid cargo.

ans': V

58. Which of the following is not a general cargo vessel.

ans:A

59. Total number of general cargo vessels mentioned in the above description is

ans:3

60. Which of the following allotments is possible

ans: B to W