

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

```
static int average_float;
```

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

[2]. extern int x;

Check the answer

[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

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

```
mm:dd:yy
09:07:97
```

[5]. Another structure question

```
1 Rajiv System Analyst
```

[6]. INFILE.DAT is copied to OUTFILE.DAT

[7]. A question with argc and argv .

Input will be

```
c:\TEMP.EXE Ramco Systems India
```

---

-

```

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

```

---

```

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);
}

```

---

```

main()

```

```

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

```

---

```

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

```

---

```

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

```

---

```

#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;
}

```

---

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

---

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

---

```
#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);
}
```

CITICORP (CITIL)  
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Source:REC CALICUT.

SECTION-1  
\*\*\*\*\*

1) For the first qustion in the paper answer is (30).

- 2) Five trays cost is 0.35 each and dozen----- (ans:Rs13.75)
- 3) In a journey of 15 miles two third distance was travelled with 40 mph and remaining with 60 mph. How much time the journey takes... (ans:20 min)
- 4) A man walks from 9.15 to 5.15 from Monday to Friday and 9.00 to 12.00 on Saturday. Each day 0.45 min lunch. How much time he walks in a week... (ans: 39hrs15min).
- 5) 12 revolutions takes  $\frac{1}{8}$  th second time. In 20 seconds how many revolutions... (ans:1920)
- 6) In 60 reams of paper 40 reams were utilised then what percent will remain... (ans:33.33%)
- 7) A started at 9.00 am with 6 mph and B started at 9.30 am with 8mph in the same direction. At what time they will meet... (ans:11.00am)
- 8) In a storage stall of 5x3x2inch. How many blanks of size 2x1x1inch can be stored.. (ans:15)
- 9) In a company  $\frac{3}{5}$  of people know shorthand  $\frac{1}{4}$ th know typing and  $\frac{1}{5}$  know both. What fraction of people do not know both.. (ans:35%)
- 10) A man how many bikes of Rs 14000 can buy by selling 2100 bikes of Rs500/- of each (ans: 75)
- 11) A company requires 11,500 strength. Present employees are 200 women, men and 6500 unmarried. To reach the target how many women required to maintain the same ratio (ans : 300)
- 12) What is the time required to punch 1500 cards of 50 column each at the rate of 10,000 punches per hour (ans:7hr 30min)

This section includes 10 data interpretation questions. For this you follow the GRE book. In these questions some graphs will be there and the related questions will be asked...so you prepare from GRE book.

Some questions are difficult. So you first do the above questions and go to data interpretation.

In the above given paper

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### Analytical Reasoning

-----

(1-5) steps problem

There are six steps that lead from the first to the second floor.

No two people can be on the same step.

Mr A is two steps below Mr C

Mr B is a step next to Mr D

Only one step is vacant ( No one standing on that step )

Denote the first step by step 1 and second step by step 2 etc.

(1) If Mr A is on the first step, Which of the following is true?

(A) Mr B is on the second step

(B) Mr C is on the fourth step.

(C) A person Mr E, could be on the third step

(D) Mr D is on heigher step than Mr C.

Ans : (D)

(2). If Mr E was on the third step & Mr B was on a higher step than

Mr E which step must be vacant  
 (A) step 1 (B) step 2 (C) step 4 (D) step 5 (E) step 6

Ans : (A)

- (3). If Mr B was on step 1, which step could A be on?  
 (A) 2&e only (B) 3&5 only (C) 3&4 only (D) 4&5 only (E) 2&4 only

Ans : (C)

- (4). If there were two steps between the step that A was standing and the step that B was standing on, and A was on a higher step than D ,

A

must be on step

(A) 2 (B) 3 (C) 4 (D) 5 (E) 6      Ans: (C)

- (5). Which of the following is false  
 i. B&D can be both on odd-numbered steps in one configuration  
 ii. In a particular configuration A and C must either both an odd numbered steps or both an even-numbered steps  
 iii. A person E can be on a step next to the vacant step.

(A) i only (B) ii only (C) iii only      Ans : (C)

Swimmers problem (6 - 9 )

Six swimmers A B C D E F compete in a race. There are no ties. The out comes are as follows.

1. B does not win.
2. Only two swimmers seporate E & D
3. A is behind D & E
4. B is ahead of E , wiht one swimmer intervening
5. F is a head of D

- (6). who is fifth

(A) A (B) B (C) C (D) D (E) E      Ans : (E)

- (7) How many swimmers seporate A and F "

( A ) 1 (B) 2 (C) 3 (D) 4 (E) not deteraminable from the given info.

Ans :( D )

- (8). The swimmer between C & E is

(A) none (B) F (C) D (D) B (E) A      Ans : (A)

- (9). If the end of the race, swimmer D is disqualified by the Judges then swimmer B finishes in which place



(A) 1 (B) 2 (C) 3 (D) 4 (E) 5 Ans : (B) .

Cimney problem ( 10 - 14 )

-----

Five houses lettered A,B,C,D, & E are built in a row next to each other. The houses are lined up in the order A,B,C,D, & E. Each of the five houses has a coloured chimney. The roof and chimney of each house must be painted as follows.

1. The roof must be painted either green, red ,or yellow.
2. The chimney must be painted either white, black, or red.
3. No house may have the same color chimney as the color of roof.
4. No house may use any of the same colors that the every next hous

e

uses.

5. House E has a green roof.
6. House B has a red roof and a black chimney

10). Which of the following is true ?

- (A) At least two houses have black chimney.
- (B) At least two houses have red roofs.
- (C) At least two houses have white chimneys
- (D) At least two houses have green roofs
- (E) At least two houses have yellow roofs

Ans: (C)

11). Which must be false ?

- (A) House A has a yellow roof
- (B) House A & C have different colour chimney
- (C) House D has a black chimney
- (D) House E has a white chmney
- (E) House B&D have the same color roof.

Ans: (B)

12). If house C has a yellow roof. Which must be true.

- (A) House E has a white chimney
- (B) House E has a balck chimney
- (C) House E has a red chimney
- (D) House D has a red chimney
- (E) House C has a balck chimney

Ans: (A)

13). Which possible combinations of roof & chimney can house

- I. A red roof 7 a black chimney
- II. A yellow roof & a red chimney

III. A yellow roof & a black chimney

(A) I only (B) II only (C) III only (D) I & II only (E) I&II&III

Ans; (E)

14). What is the maximum total number of green roofs for houses

Ans: (C)

15). There are 5 red shoes, 4 green shoes. If one draw randomly a shoe

what is the probability of getting redshoe is  $\frac{5}{9}$

16). What is the selling price of a car? cost of car is Rs 60 & profit 10% profit over selling price Ans : Rs 66/-

17).  $\frac{1}{3}$  of girls ,  $\frac{1}{2}$  of boys go to canteen .What factor and total number of classmates go to canteen. Ans: cannot be determined.

18). price of a product is reduced by 30% . What percentage should be increased to make it 100% Ans: 42.857%

19) There is a square of side 6cm . A circle is inscribed inside the square. Find the ratio of the area of circle to square.

$$r=3$$

$$\frac{\text{circle}}{\text{square}} = \frac{11}{14}$$

20). Two candles of equal lengths and of different thickness are there

The thicker one will last of six hours. The thinner 2 hours less than the thicker one.

Ramesh light the two candles at the same time. When he went to bed he saw the thicker one is twice the length of the thinner one. For how long did Ramesh lit two candles .

Ans: 3 hours.

21).  $\frac{M}{N} = \frac{6}{5}$   $3M+2N = ?$  Ans: cannot be determined

22).  $\frac{p}{q} = \frac{5}{4}$   $2p+q = ?$  cannot determined.

23). If PQIRST is a parallelogram what is the ratio of triangle PQS & parallelogram PQIRST

Ans: 1:2

24). cost of an item is Rs 12.60 7 profit is 10% over selling price what is the selling price

Ans: Rs 13.86/-

- 25). There are 6 red shoes & 4 green shoes . If two of red shoes are drawn what is the probability of getting red shoes

Ans:  $\frac{6C2}{10C2}$

- 26). 15 lts of water containing 20% alcohol, then added 5 lts of water .  
What is % alcohol.

Ans : 15%

- 27). A worker pay 20/- day , he works 1,  $\frac{1}{3}$ ,  $\frac{2}{3}$ ,  $\frac{1}{8}$ ,  $\frac{3}{4}$  in a week.  
what is the total amount paid for that worker

Ans : 57.50

- 28). The value of x is between 0 & 1 which is the larger?

A) x B)  $x^2$  C)  $-x$  D)  $\frac{1}{x}$

Ans : (D)

#### DATA SUFFICIENCY

-----

- (A) (1) alone sufficient
- (B) (2) alone sufficient
- (C) both together are sufficient
- (D) (1) alone & (2) alone sufficient
- (E) information not sufficient

- 1). A man of 6 feet tall is standing near a light on the top of a pole .  
what is the length of the shadow cast by the man.

- (1) The pole is 18 feet high
  - (2) The man is 12 feet high
- Ans: (C)

- 2). Two pipes A and B empty into a reservoir , pipe A can fill the reservoir  
in 30 minutes by itself. How long it will take for pipe A and pipe

B  
together to fill up the reservoir.

- (1) By itself, pipe B can fill up the reservoir in 20 minutes
- (2) pipe B has a larger cross-sectional area than pipe A

Ans: (A)

3). K is an integer. Is K is divisible by 12

- (1) K is divisible by 4
- (2) K is divisible by 3      Ans: (C)

4). How far it from A to B

- (1) It is 15 miles from A to C
- (2) it is 25 miles from C to B      Ans: (E)

5). Was Melissa Brown's novel published?

- (1). If Melissa Brown's novel was published she would receive atleast \$1000 in royalties during 1978
- (2). Melissa Brown's income for 1978 was over \$1000

Ans: (E)

6). Does every bird fly?

- (1) Tigers do not fly.
- (2) Ostriches do not fly

Ans: (B)

7). How much does John weigh? Jim weigh 200 pounds.

- (1) Toms weight plus Moes weight equal to John's weight.
- (2) John's weight plus Moe's weight equal to Twice Tom's weight

.

Ans: (C)

8). Is the figure ABCD is a rectangle



- (1).  $x=90$  (degrees)
- (2).  $AB=CD$

Ans: (E)

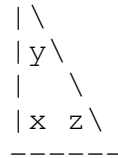
9). Find  $x+2y$

- (1).  $x+y=10$

(2).  $2x+4y=20$

Ans: (B).

10). Is angle BAC is a right angle



(1).  $x=2y$

(2)  $y=1.5z$

Ans: (E)

11). Is  $x$  greater than  $y$

(1)  $x=2k$

(2)  $k=2y$

Ans: (E)

12). A piece of string 6 feet long is cut into three smaller pieces.  
How

long is the longer of ther three pieces?

(1). Two pieces are the same length.

(2) One piece is 3 feet 2 inches lone

Ans: (B)

13). How many rolls of wall paper necessary to cover the walls of a room whose floor and ceiling are rectangles 12 feet wide and 15 feet long

(1). A roll of paper covers 20 sq feet

(2). There are no windows in the walls

Ans : (E)

14).  $x$  and  $y$  are integers that are both less than 10. Is  $x>y$ ?

(1).  $x$  is a multiple of 3

(2).  $y$  is a multiple of 2

Ans: (E).

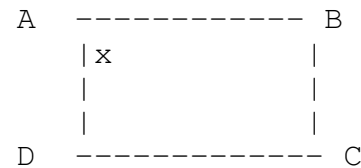
15). Fifty students have signed up for atleast one of the courses GERMANI 1 & ENGLISH 1, how many of the 50 students are taking GERMANI 1 but not ENGLISH 1.?

(1). 16 students are taking GERMANI 1 & ENGLISH 1

(2). The number of students taking ENGLISH 1 but not GERMANI 1 is the same as the number of students taking GERMANI 1.

Ans: (C)

- 16). Is ABCD is a square ?  
 (1).  $AD = AB$   
 (2).  $x=90$  (degrees)



Ans: (E).

- 17). How much card board will it take to make a rectangular box with a lid whose base has length 7 inches.

- (1). The width of the box 5 inches  
 (2). The height of the box will be 4 inches

Ans: (C).

- 18). Did ABC company made profit in 1980?  
 (1). ABC company made a profit in 1979.  
 (2). ABC company made a profit in 1981.

Ans: (E).

- 19). How much is Janes salary?  
 (1). Janes salary is 70% of John's salary  
 (2). Johns salary is 50% of Mary's salary

Ans: (E).

- 20). Is  $x > 1$   
 (1)  $x+y=2$   
 (2)  $y < 0$

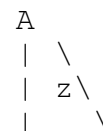
Ans: (c)

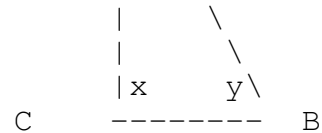
- 21). How many of the numbers  $x$  and  $y$  are positive? Both  $x$  and  $y$  are less than 20

- (1)  $x$  is less than 5  
 (2)  $x+y = 24$

Ans: (B)

- 22). Is the angle ACB is right angle  
 (1).  $y=z$   
 (2).  $(AC)^2 + CB^2 = AB^2$





Ans: (B).

23). How far it from town A to town B? Town C is 12 miles east of town A

(1). Town C is south of town B

(2). It is 9 miles from town B to town C

Ans : (C)

24). A rectangular field is 40 yards long. Find the area of the field .

(1). A fence around the boundary of the field is 140 yards long

(2). The field is more than 20 yards width

Ans: (A).

25). An industrial plant produces bottles. In 1961 the number of bottles produced by the plant was twice the number of produced in 1960. How many bottles were produced altogether in the year 1960, 61,&62

(1). In 1962 the number of bottles produced was 3 times the number of produced in 1980

(2). In 1963 the number of bottles produced was one half the total produced in the years 1960,1961,1962.

Ans: (E).

26). Is  $xy > 1$  ?  $x$  &  $y$  are both positive

(1)  $x$  is less than 1

(2)  $y$  is greater than 1

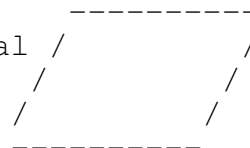
Ans : (E)

27). Is it a Rambus

(1). All four sides are equal /

(2) Total internal angle is /

360



Ans: (E)

28). How many books are in the book shelf

(1) The book shelf is 12 feet long

(2). The average weight of each book is 1.2 pound

Ans: (E).

29). What is the area of circle?

(1). Radius  $r$  is given

(2). Perimeter is 3 times the area  
 Ans: (A).

# ARITHMATIC

-----

- 1). Total distance is 120 km . Going by 60kmph and coming back by 40kmph what is the average speed? Ans: 48kmph
- 2). A school have 30% from MAHARASTRA .Out of this 20% from BOMBAY students. Find the total percentage of BOMBAY  
 Ans: 6%
- 3). An equilateral triangle of side 3 inch is given. How many equilateral triangles of side 1 inch can be formed from it  
 Ans : 9
- 4).  $A/B = 3/5$        $15A = ?$   
 Ans : 9B
- 5). Each side of a rectangle is increased by 100% .  
 How much the percentage of area will be increased  
 Ans : 300%
- 6). Perimeter of the back whell = 9 feet, front wheel = 7 feet  
 on a certain distance the front wheel gets 10 revolutions more than back wheel . what is the distance?  
 Ans : 315 feet.
- 7). Perimeter of front wheel =30, back wheel = 20. If front wheel revolves 240 times. Howm many revolutions will the back wheel take? Ans: 360 times
- 8). 205 of 6 liter solution and 60% of 4 liter solution is mixed  
 What percentage of the mixture of solution  
 Ans: 36%
- 9). City A population is 68000, decreasing at a rate of 80 per year  
 City B having population 42000 increasing at a rate of 120 per year. In how many years both the cities will have same population  
 Ans: 130 years
- 10). Two cars, 15 km apart one is turning at a speed of 50kmph



other at 40kmph . How will it take to two cars meet.  
 Ans  $3\frac{1}{2}$  hours

- 11). A person wants to buy 3 paise and 5 paise stamps costing exactly one rupee. If he buys which of the following number of stamps. he wont able to buy 3 paise stamps

Ans: 9

- 12). There are 12 boys and 15 girls, How many different dancing groups can be formed.

Ans: 180

- 13). Which of the following fractions is less than  $\frac{1}{3}$

(1)  $\frac{22}{62}$  (2)  $\frac{15}{46}$

Ans:  $\frac{15}{46}$

- 14). Two circles , one circle is inscribed and another circle is outscribed over a square. What is the ratio of area of inner to outer circle.

Ans: 1 : 2

Plumber problem ( 15 - 17)

Miss Dean wants to renovate her house. She hires a plumber, a carpenter, a painter an electrician and interior decorator. The work to be finished in one working (Monday - Friday ). Each worker will take the full day to do his job. Miss Dean permit only one person to work each day.

I. The painter can work only after the plumber and the carpenter have finished their jobs

II. The interior decorator must do his job before the electrician.

III. The carpenter cannot work on Monday or Tuesday

- 15) If the painter work on Thursday, which one of the following alternatives is possible?

(A) The electrician works on Tuesday.

(B). The electrician works on Friday.

(C) The interior decorator works after the painter does.

(D). The painter works on consecutive days

(E). Miss Dean cannot fit all of the workers into schedule

Ans: (B).

- 16). If the painter works on Friday which of the following must be

false?

- (A) . The carpenter may works on Wednesday
- (B). The carpenter and the electrician may work on consecutive days
- (C). If the carpenter works on Thursday, the electrician has to work on wednesday
- (D). The plumber may work before the electrician does
- (E). The electrician may work on Tuesday

Ans: (C).

17). Which argument is possible?

- (A). The electrician will works on Tuesday and the interior decorator on Friday
- (B). The painter will work on wednesday and plumber on thursday
- (C). The carpenter will works on Tuesday and the painter on Friday
- (D). The painter will work on Monday and the carpenter on Thursday
- (E). The carpenter will work on Wednesday and the plumber on Thursday

Ans: (E).

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There is one section Figures , like 4 figures are given and we have to find the next one. In this 10 question are given

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- 1) For the first qustion in the paper answer is (30).
- 2)Five trays cost is 0.35 each and dozen----- (ans:Rs13.75)
- 3)In a journey of 15 miles two third distance was travelled with 40 mph and remaining with 60 mph.How muvh time the journey takes...(ans:20 min)
- 4)A man walks from 9.15 to 5.15 from monday to friday and 9.00 to 12.00 on saturday.Each day 0.45 min lunch. How much time he walks in a week...(ans: 39hrs15min).
- 5) 12 revolutions takes  $\frac{1}{8}$  th second time.In 20 seconds how many revolutions...(ans:1920)
- 6) In 60 reems of paper 40 reems were utilised then what percent will remain...(ans:33.33%)

- 7) A started at 9.00 am with 6 mph and B started at 9.30 am with 8mph in the same direction. At what time they will meet... (ans:11.00am)
- 8) In a storage stall of 5x3x2inch.How many blanks of size 2x1x1inch can be stored..(ans:15)
- 9) In a company 3/5 of people know shorthand 1/4th know typing and 1/5 know both. What fraction of people do not know both.. (ans:35%)
- 10) A man how many bikes of Rs 14000 can buy by selling 2100 bikes of Rs500/- of each (ans: 75)
- 11) A company requires 11,500 strength.present employees are 200 women , men and 6500 unmarried To reach the target how many women required to maintain the same ratio (ans : 300)
- 12) What is the time required to punch 1500 cards of 50 column each at the rate of 10,000 punches per hour (ans:7hr 30min)

This section includes 10 data interpretation questions.For this you follow the GRE book.In these questions some graphs will be there and the related questions will be asked...so you prepare from gre book.

Some questions are difficult.SO you first do the above questions and go to data interpretation.

In the above given paper the meaning of the questions may be wrong, but the answers and the numericals in the question are exactly correct. so it would be better to remember the answers. that's all about this section.

NUMBER SERIES: 20 QUESTIONS 7 MINUTES  
\*\*\*\*\*

These are very easy. Questions are not available.

FIGURE SERIES: 20 questions 14 minutes  
\*\*\*\*\*

THESE ARE ALSO VERY EASY.DON'T WORRY ABOUT THIS SECTION

ANALYTICAL REASONING:

\*\*\*\*\*

- 1) In a group of five persons A,B,C,D,and E
- a)A and C are intelligent in English and Reasoning.
  - b)B and C are intelligent in English and General Awareness.
  - c)E and D are intelligent in Arithmetic and Interview.
  - d)E is intelligent in Interview,reasoning and Arithmetic.
  - e)B and D are intelligent in Arithmetic and General Awareness.

1) Who is intelligent in English,arithmetic,and general awareness (ANSWER:B)

2)Who is intelligent in english and reasoning but not in general awareness (ans:A)

- 3) Who is intelligent in Arithmetic, General Awareness and Interview (ans: D)  
 4) Who is intelligent in English General Awareness and Reasoning (ans: C)  
 5) Who is intelligent in Arithmetic, Reasoning and Interview (ans: E)

2) Five persons A, B, C, D and E were travelling in a car. They were two ladies in the group. Of them who knew the car driving one was a lady. A is brother of D. B wife of D, drove at the beginning. E drive at the end.

- 1) Which of the following is a pair of brothers. (ans: A, D)  
 2) Who was the other lady in the group. (ans: C)  
 3) In the case of which the following pairs, no relationship can be established with one else in the group (ans: C, E)  
 4) How was E related to A. (ans: DATA INADEQUATE)

3) A man said to woman " your only brother's son is my wife's brother". How is the woman related to the man's wife... (ans: AUNT)

IN THIS SECTION ALSO THERE ARE SOME MORE QUESTIONS. THESE ARE NOT AVAILABLE.

This is also like tcs paper. for every section there will be a limited time. you should complete only at that specified time. They won't allow to go back in the middle.

So please remember, time factor is the important thing.

ESSAY (10 MIN)  
 \*\*\*\*\*

In the last section there was passage. You should conclude that one in the specified 10 min. It would be better to prepare a computer related topics like client server, internet etc..

(HCL SOFTWARE PAPER) \*\*\*\*\*

NOTE : Please check answers once again.

section 1.

1. which of the following involves context switch,  
 a) system call b) privileged instruction  
 c) floating point exception  
 d) all the above  
 e) none of the above  
 ans: a

2. In OSI, terminal emulation is done in  
 a) session b) appl... c) presenta... d) transport  
 ans: b

3. .... 25MHz processor , what is the time taken by the instruction which needs 3 clock cycles,  
 a) 120 nano secs b) 120 micro secs  
 c) 75 nano secs d) 75 micro secs

4. For 1 MB memory no of address lines required,  
 a) 11 b) 16 c) 22 d) 24  
 ans: 16

5. Semaphore is used for  
 a) synchronization b) dead-lock avoidance  
 c) box d) none  
 ans : a

6. class c: public A, public B  
 a) 2 member in class A,B should not have same name  
 b) 2 member in class A,C " " " "  
 c) both  
 d) none  
 ans : a

7. question related to java

8. OLE is used in  
 a) inter connection in unix  
 b) interconnection in WINDOWS  
 c) interconnection in WINDOWS NT

9. No given in HEX ---- write it in OCTAL

10. macros and function are related in what aspect?  
 a) recursion b) varying no of arguments  
 c) type checking d) type declaration

11. preprocessor .. does not do one of the following  
 a) macro ..... b) conditional compilation  
 c) in type checking d) including load file  
 ans: c

#### SECTION B

1. enum day = { jan = 1 , feb=4, april, may}  
 what is the value of may?  
 a) 4 b) 5 c) 6 d) 11  
 e) none of the above  
 2. main  
 {  
 int x,j,k;

```
j=k=6;x=2;
x=j*k;
printf("%d", x);
```

ans x=1

3. fn f(x)

```
{ if(x<=0)
  return;
else f(x-1)+x;
}
```

ans fn(5) ....?

```
4. i=20,k=0;
for(j=1;j<i;j=1+4*(i/j))
{
k+=j<10?4:3;
}
```

```
printf("%d", k);
```

ans k=4

5. int i =10

```
main()
```

```
{
int i =20,n;
for(n=0;n<=i;)
{
int i=10
i++;
}
```

```
printf("%d", i);
```

ans i=20

6. int x=5;

```
y= x&y
```

( MULTIPLE CHOICE QS)

ans : c

7. Y=10;

```
if( Y++>9 && Y++!=10 && Y++>10)
```

```
printf("..... Y);
```

```
else printf("..... )
```

ans : 13

8. f=(x>y)?x:y

a) f points to max of x and y

b) f points to min of x and y

c)error

d) .....

ans : a

9. if x is even, then

(x%2)=0  
 x & 1 != 1  
 x! ( some stuff is there)

a) only two are correct  
 b) three are correct  
 c), d) ....

ans : all are correct

10. which of the function operator cannot be over loaded

a) <= b)? : c)== d)\*

ans: b and d

#### SECTION.C (PRG SKILLS)

-----

(1)       STRUCT DOUBLELIST  
           {                               DOUBLE CLINKED  
           INT DET;                       LIST VOID  
           STRUCT PREVIOUS;           BE GIVEN AND A PROCEDURE TO DELET  
 E        STRUCT NEW;                   AN ELEMENT WILL BE GIVEN  
           }  
 DELETE (STRUCT NODE)  
       {  
         NODE-PREV-NEXT   NODE-NEXT;  
         NODE-NEXT-PREV   NODE-PREV;  
         IF (NODE==HEAD)  
           NODE  
       }  
 IN WHAT CASE THE PREV WAS  
 (A) ALL CASES  
 (B) IT DOES NOT WORK FOR LAST ELEMENT  
 (C) IT DOES NOT WORK FOR-----  
 (2)       SIMILAR TYPE QUESTION  
 ANS: ALL DON'T WORK FOR NON NULL VALUE

(3) VOID FUNCTION (INT KK)  
       {  
         KK+=20;  
       }  
 VOID FUNCTION (INT K)  
 INT MM, N=&M  
 KN = K  
 KN+--=10;

}

## SECTION D

-----

- (1)  $a=2, b=3, c=6$        $c/(a+b) - (a+b)/c = ?$   
 (2) no.rep in hexadecimal, write it in radix 7  
 (3) A B C D E

\* 4

----- find E      ANS: 13

E D C B A

-----

- (4) GRE-MODEL TEST-1, SECTION-6(19-22)  
 (5) M HAS DOUBLE AMOUNT AS D, Y HAS RS. 3 MORE THAN HALF OF AMOUNT OF D

THE ORDERING A,B,C      M C D C Y

ANS: DATA INSUFFICIENT      D C M C Y

- (6) IN STATISTIC MEN CAUSE MORE ACCIDENTS THEN ONE CONCLUSION  
 (A) MEN DRIVE MORE THAN ONCE  
 (B) STATISTICS GIVE WRONG INFORMATION  
 (C) WOMEN ARE CAUTION THAN ME      ANS; C (VERIFY)  
 (D) -----ETC  
 (7) P,Q,R,S,T,U -SECURING GRANT; TWO TOURIST PARTIES AND THEN  
 TWO SECURITY GAURDS SHOULD GO WITH EACH PARTY

---

P AND R-ARE ENEMIES,      Q DOES NOT GO SOUTH  
 P&S-ARE WILLING TO BE TOGETHER

---

THE TWO PARTIES MAY GO SOUTH&NORTH RESPECTIVELY  
 AT ONE POINT EACH MAY PASS EACH OTHER THEN GAURDS CAN EXCHANGE  
 6 Q BASED ON THIS  
 (8)  $pq-r/s = 2$  what is q inference a,n&d  
 (a) a can do n units of work in strs, a&b can do n units of work  
 in 2 hrs in how many hrs n units of work ans: 3 hr 30 min  
 $p = (2s+r)/q$

---

```
main()
{
    int var=25, varp;
    varp=&var;
    varp p = 10;
    fnc(varp)
    printf("%d%d", var, varp);
}
(a) 20,55 (b) 35,35 (c) 25,25 (d) 55,55
```

[ c++, c, dbms interview]  
 [fundamentals]  
 this is new paper



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application -software

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part-1:

28-questions

(5)ingless ans:RDMS

(1)bit program-ans d

(2)c ans

(3)+ 0 ans

(4)00p--ans linking

(5)-----

(6)-----

(9)25--45 even no. ans--10

(10) >10 <100 ---ans=n+9