

**Blue Star Paper Format:-**

Paper 1 : Aptitude

Paper 2: Technical Paper.

Paper 2 has following 2 sections:-

Section A: It has four sub sections, out of which two have to be done.

Section B: General Computers Awareness.

The Subsections of Section A are:-

Subsection A: C & Unix.

Subsection B: C++.

Subsection C: VB/ASP/Com.

Subsection D: RDBMS.

Aptitude Test

1. Complete the series.

1 6 3 7 5 8 7 ?

Ans: 9

2. If circle is 1, then octagon is?

2 4 6 8 or 10

Ans: 8

3. Pick the odd one out.

bend shave chop whittle shear

Ans: bend.

4. 2 persons start from a pt. and go in opposite directions. After going 3 km they turn left and walk 4 km ,how far r they now?

Ans: 10 km.

5. 2 typists type 2 papers in 4 hrs then in how much time will 5 typists take to type 5 papers.

Ans: 4 hours.

6. A person runs 6 ft in 1/4 sec. How much it will run in 10 sec?

Ans 240.

7. Find the odd one out.

cat ,dog,rabbit,hamster,elk.

8. In a party man & his wife ,and there are 2 sons with their wives, and every son has 4 children in his family. How many persons are there in the party?

9. Add a word in starting of SCAPE and at the end of Grass, you will get two different word

Ans:- land  
grassland  
landscape

10.

All men of this party are republican .  
Mohan is member of this party.

mohan is republican,  
is true or false or can't say?

11. There are 1200 elephant. Some have blue and pink strips. Some have pink & green strip. 400 elephants have only pink strip. How many have only blue strip?

- a. 400
- b. can't be determined.
- c. none

After clearing aptitude there is technical paper. It has 2 sections. In section A there are 4 subsections out of which 2 are to be attempted. The first subsection is on c and unix, second on c++, third on vb/asp/com and fourth on rdbms. In section B General Computer Awareness is tested.

Technical Test

1.

```
void main()
{
    extern int a;
    a=10;
    printf("%d",a);
}
will
```

- a. give linker error- a not defined.
- b. print 10
- c. give compiler error

Ans: a.

2.

**Blue Star Placement Paper**

Mark b: If the question can be answered with the help of statement "2" alone

Mark c: If the question can be answered with the help of both the statements but not with the help of either statement by itself

Mark d: If the question cannot be answered even with the help of both the given statements

Example:

1. Does winking improve eye sight?

1) During the process of winking the focal power of eyes improves

2) Experiments have shown that eye exercise lead to an improvement in eye sight

Answer: d because neither 1 or 2 is adequate.

Questions

11. Each floor of a 3 storeyed building is occupied and a total of 15 people live in the building. How many live on the first floor?

1) The no. of people living in the first floor is an odd number

2) The no. of people living on the first floor double the number living on the second floor

12. Program 1 can be implemented

1) Program 1 is tested and error free

2) The implementation site is ready

13. The sum of digits of a 5 digit no. is 10. The digit in the ten thousandth place is cube of that of units place. what is the number.

1) The digits in the thousandth, hundredth and tenth place are equal

2) The digit in the units and tenth place are not equal

14. If I deposit Rs.1000 in the bank now and withdraw the amount only at the end of the year how much will I get?

1) The rate of compound interest is 12% per year

2) The interest is deposited in the account at the end of every six months

15. Variable "X" is an address variable.

1) The value of variable "X" is "adbcf"

2) Program has a statement X =&Y

16. Is white color the best reflector of light?

1) The lower a color's reflection index the better its power of reflection

2) White has a reflection index of 0.28

17. Does Mehta work in an advertising agency?

- 1) Mehta begins work at 9 am in the morning and works till 9 in the night
- 2) Mehta is a copywriter

18. Is it true that Maggi Noodles success was largely due to its ability to satisfy a latent consumer need?

- 1) Before the entry of Maggi Noodles, Others did not have access to a food item which was convenient to prepare and could be consumed between meals.
- 2) Maggi Noodles was an instant hit with ladies who had children in the range of 10 to 12 years

19. Sachin wrote Program 1

- 1) It is found in the directory c:\user\sachin
- 2) Sachin tested Program 1

20. Are all Argots also Knicks?

- 1) All Argots are Drones
- 2) All Drones are Knicks

21. Does classical music aid plant growth?

- 1) Music aids in the development of sugar in plants.
- 2) In an experiment conducted, it was observed that plants exposed to classical music grew by 5cm more than plants not exposed to classical music in the same period.

22. Are cheques the safest method of making a payment.

- 1) Cheques are more convenient than cash in making and resolving payments.
- 2) Payment by cheques eliminate the risk involved in handling cash.

23. Networking is working fine.

- 1) Computer A is able to talk to Computer B
- 2) Both Computer A & B are Pentium Machines.

24. Is it true that smiling is easier than frowning?

- 1) Smiling requires the movement of 14 facial muscles while frowning requires the movement of 24 facial muscles.
- 2) Moving every facial muscles requires the same amount of effort.

25. Is it true that the Carpenter lives on the first floor.?

- 1) the Barber lives two floors above the black smith who in turn stays one floor above the carpenter.
- 2) the blacksmith lives two floors above the weaver who lives one floor below the carpenter in a three storeyed building.

SECTION 3 - ANALYTICAL.

Questions 26-29 are based on the following:

At a formal dinner for 8, the host and the hostess are seated at opposite ends of a rectangular table, with 3 persons along each side. Each man must be seated next to at least to 1 woman, and vice versa. Alan is opposite to Diana, who is not the hostess. George has a woman on his right and is opposite to a woman. Helga is at the hostess's right, next to Frank. One person is seated between Belinda and Carol.

26. The 8th person present, Eric must be

- (a) the host
- (b) seated to Diana's right
- (c) seated opposite to Carol
- (a) a only (b) c only (c) b and c (d) a, b and c

27. If each person is placed directly opposite to his or her spouse, which of the following pairs must be married.

- (a) George and Helga (b) Belinda and Frank
- (c) Carol and Frank (d) George and Belinda

28. Which person is not seated next to a person of the same sex.?

- (a) Alan (b) Belinda (c) Carol (d) Diana

29. George is bothered by the cigarette smoke of his neighbor and exchanges seats with the person 4 places to his left. Which of the following must be true following the exchange?

- (a) No one is seated between two persons of the opposite sex.
- (b) one side of the table consists entirely of persons of the same sex.
- (c) Either the host or hostess has changed seats
- (a) A only (b) C only (c) A and B (d) B and C

Questions 30 - 33 are based on the following:

The hotel Miramar has two wings, the east wing and the west wing. Some east wing rooms but not all, have an ocean view. All west wing rooms have a harbor view. The charge for all rooms is identical except for the following.

There is an extra charge for all harbor view rooms on or above third floor. There is an extra charge for all ocean view rooms except those without balcony. Some harbor view rooms on the first two floors and some east wing rooms without ocean view have kitchen facilities for which there is an extra charge. Only the ocean view and harbor view rooms have balconies.

30. A guest may avoid an extra charge by requesting

- (a) A west wing room on one of the first two floors.

- (b) A west wing room on the fourth floor without balcony.  
(c) An East wing room without balcony. (d) Any room without kitchen.

31. Which of the following must be true if all conditions are as stated?

- (a) All rooms above the third floor involves extra charges.  
(b) No room without an ocean or harbor view or kitchen facilities involves extra charge.  
(c) There is no extra charge for an east wing room without ocean view.  
(d) There is no extra charge for any room without Kitchen facilities.

32. which of the following must be false if all conditions are as stated?

- (a) some ocean viewing rooms do not involve an extra charge  
(b) all rooms with kitchen facilities involve an extra charge  
(c) some west viewing rooms above the second floor do not involve an extra charge  
(d) some harbor viewing rooms do not involve an extra charge

33. Which of the following can not be determined on the basis of the information given?

- (a) whether there are any rooms without a balcony for which extra charge is imposed  
(b) whether any room without at kitchen or a view involves an extra charge  
(c) whether two extra charges are imposed for any room (d) none of the above

Questions 34 to 37 are based on the following:

Four cards of different suits are dealt one apiece to A, B, C and D.

B says: Mine is not a club. A says: Mine is not a spade.

D says: Mine is not a diamond. C says: Mine is not a spade.

A says: Mine is not a heart.

34. A held

- (a) heart (b) clubs (c) diamonds (d) spade

35. B held

- (a) heart (b) clubs (c) diamonds (d) spade

36. C held

- (a) heart (b) clubs (c) diamonds (d) spade

37. D held

- (a) heart (b) clubs (c) diamonds (d) spade

Questions 38 to 40 are based on the following:

In a magical temple there are 3 doorways each leading to the interior of the temple.

Every door way has an idol just inside. The magical powers of the temple doubles the flowers a devotee carries every time he/she passes under a doorway. Each devotee has to pass on straight through the doorway and cannot retrace his steps till he comes to the innermost idol.

38. Ram carries X flowers at each idol he places an identical number of flowers Y. He

returns from the temple without a single flower. X was most probably  
(a) 2 (b) 5 (c) 6 (d) 7

39. In the situation above Y was most probably  
(a) 8 (b) 5 (c) 6 (d) 7

40. If Sita took 8 flowers to the temple and offered 4 flowers each to the first two idols then by the time she faces the third idol she has  
(a) 40 flowers (b) 36 flowers (c) 52 flowers (d) 56 flowers

#### SECTION 4 - COMPUTATIONAL.

41. 2 passengers have together 560 kgs of luggage and are charged for the excess above the weight allowed at 10\$ and 26\$. If all the luggage had belonged to one of them he would have to pay 46\$. The amount of luggage each passenger is allowed without any charge is  
(a) 100 kg (b) 150 kg (c) 160 kg (d) Insufficient data

42. 6 pigs cost the same as 9 sheep. 27 sheep cost the same as 30 goats. 50 goats cost the same as 3 elephants. If two elephants cost \$4800, then the cost of one pig in dollar is  
(a) 120 (b) 240 (c) 105 (d) 250

43. A wholesaler allows a discount of 20 % on the list price to the retailer. The retailer sells at 5% below the list price. If the customer pays Rs.19 for an article what profit is made by the retailer on it?  
(a) Rs.2 (b) Rs.3 (c) Rs.4 (d) Rs.4.5

44. A circular metal plate of even thickness has 12 holes of radius 1 cm drilled into it. As a result the plate lost 1/6th its original weight. The radius of the circular plate is  
(a)  $16\sqrt{2}$  (b)  $8\sqrt{2}$  (c)  $32\sqrt{2}$  (d)  $\sqrt{72}$

45. 3 machines a,b,c can be used to produce a product. Machine a will take 60 hours to produce a million units. Machine b is twice as fast as machine a. Machine c takes the same amount of time as machine a and b taken together. How much time will be required to produce a million units if all the three machines are used simultaneously?  
(a) 12 hours (b) 10 hours (c) 8 hours (d) 6 hours

1. What would be the output of the following program.

```
#include<stdio.h>
main()
```

```
{
extern int a;
printf("%d",a);
}
int a=20;
```

(a) 20 (b) 0 (c) garbage value (d) error!!

2.What would be the output of the following program.

```
main()
{
int a[5]={2,3};
printf("\n %d %d %d",a[2],a[3],a[4]);
}
(a) garbage value (b) 2 3 3 (c) 3 2 2 (d) 0 0 0
```

3.What would be the output of the following program.

```
main()
{
inti=-3,j=2,k=0,m;
m=++i&&++j||++k;
printf("\n %d %d %d %d",i,j,k,m);
}
(a) -2 3 0 1 (b) -3 2 0 1 (c) -2 3 1 1 (d) error
```

4.What would be the output of the following program.

```
main()
{
int a,b;
a=sumdig(123);
b=sumdig(123);
printf("%d %d",a,b);
}
sumdig(int n)
{
static int s=0;
int d;
if(n!=0)
{
d=n%10;
n=(n-d)/10;
s=s+d;
sumdig(n);
}
else return(s);
}
(a) 12 6 (b) 6 12 (c) 3 15 (d) error
```



5. What would be the output of the following program.

```
#define CUBE(x) (x*x*x)
main()
{
int a,b=3;
a=CUBE(b++);
printf("\n %d %d",a,b);
}
```

(a) 64 4 (b) 27 4 (c) 27 6 (d) 64 6

6. What would be the output of the following program.

```
main()
{
const int x=get();
printf("%d",x);
}
get()
{
return(20);
}
```

(a) 20 (b) garbage value (c) error (d) 0

7. A function has this prototype void f1(int \*\*x),

How will you call this function?

(a) int \*\*a; (b) int a; (c) int \*a; (d) int a=5;  
f1(a); f1(&a); f1(&a); f1(&&a);

8. Point out the error, if any, in the for loop

```
main()
{
int l=1;
for(;;)
{
printf("%d",l++);
if(l>10)
break;
}
}
```

(a) The condition in the for loop is a must (b) The two semicolons should be dropped  
(c) The for loop should be replaced by a while loop (d) No error

9. Can the following piece of code be executed?

```
int main(void)
{
char strA[10]="compile",strB[10];
```

```
my_strcpy(strB,strA);
puts(strB);
}
char * my_strcpy(char *destination,char *source)
{
char *p=destination;
while(*source!='\0')
{
*p++=*source++;
}
*p='\0';
return destination;
}
```

(a) Compilation will only give a warning but will proceed to execute & will display "compile"

(b) The compilation error char \*(char \*,char \*) differs in levels of indirection from 'int()' will occur

(c) Yes & it will print compile on the screen (d) None of the above

10.What would be the output of the following program.

```
#include<stdio.h>
main()
{
char str[5]="fast";
static char *ptr_to_array = str;
printf("%s",ptr_to_array);
}
```

(a) Compilation will only give a warning but will proceed to execute & will display "fast"

(b) display "fast" on screen (c) will give a compilation error (d) none of the above

11.What would be the output of the following program.

```
main()
{
int num,*p;
num=5;
p=&num;
printf("%d",*p);
}
```

(a) 6 (b) 5 (c) junk value (d) compilation error

12.What would be the output of the following program.

```
main()
{
int a[3]={2,3,4};
char *p;
```

```
p=a;  
p=(char*)((int *)p+1);  
printf("%d",p);  
}
```

(a) 2 (b) 0 (c) junk value (d) 3

13. What would be the output of the following program.

```
main()  
{  
int i=10;  
fn(i);  
printf("%d",i);  
}  
fn(int i)  
{  
return ++i;  
}
```

(a) 10 (b) 11 (c) 12 (d) Compilation error

14. What will be the value of i & j after the loop is executed? <BR>  
for(i=0,j=0;i<5,j<25;i++,j++)

(a) i=4,j= 24 (b) i=24,j= 24 (c) i=25,j= 25 (d) i=5,j=25

15. What would be the output of the following program.

```
main()  
{  
int i,j;  
i=10;  
j=sizeof(++i);  
printf("%d",i);  
}
```

(a) 11 (b) 10 (c) 4 (d) compilation error

16. What would be the output of the following program.

```
main()  
{  
int i=7;  
printf("%d\n",i++*i++);  
}
```

(a) 49 (b) 56 (c) 72 (d) compilation error

17. What will the printf print?

```
main()  
{  
char *p,*f();  
p=f();
```

```
printf("f() returns:%s\n",p);  
}  
char *f()  
{  
char result[80];  
strcpy(result,"anything will do");  
return (result);  
}
```

- (a) f() returns: anything will do (b) f() returns:  
(c) compilation error (d) The printf statement is not going to be executed

18.How many times the following program would print 'Jamboree'?

```
main()  
{  
printf("\n Jamboree");  
main();  
}
```

- (a) infinite number of times (b) 32767 times  
(c) 65535 times (d) till the stack does not overflow

19.Notice the error in the default statement in the code snippet below.Will it give a compilation error?

```
main()  
{  
int a=10,j;  
j=fn(a);  
switch(j)  
{  
case 30: printf("the value is 30");  
break;  
case 50: printf("the value is 50");  
break;  
default:printf("the value is not 30 or 50");  
}  
}  
fn(int a)  
{  
return (++a);  
}
```

- (a) Will display "the value is 30" (b) Will display "The value is not 30 or 50"  
(c) Yes a compilation error would happen  
(d) No compilation errors but there will be no output on the screen

20.What would be the output of the following program.

```
main()  
{
```

```
struct emp
{
char name[20];
int age;
float sal;
};
struct emp e = {"tiger"};
printf("\n %d %f",e.age,e.sal);
}
```

(a) 0 0.000000 (b) Garbage values (c) Error (d) none of the above

/\*\*\*\*\*\***BLUE STAR BIT,MESRA 2004**\*\*\*\*\*\*/

there were two sections A and B

section A was mandatory

section B contained 4 parts. u have to solve problems of any two parts

/\*\*\*\*\*\*Section 'a'\*\*\*\*\*\*/

20 questions were asked

1.configuration of an UART in serial communication has

a.clock signal

b.baud rate,stop bit,data length

c.both

d.none

2.deadlock happens when two process waiting for the resources used by each other in this condition

a.both process knows that they are waiting for each other

b.one process knows that other is waiting

c.both a and b

d.none

3.physical memory location in running program is resolved by

a.linker

b.compiler

c.loader

d.none

4.task switching is switching between

a.process

b.threads

c.concurrent part in same program  
d.all

5.in 2-pass compiler

a.identifier can be used without its declaration  
b.identifier should be declared before its first use.  
c.both  
d.none

6.difference between functional/ordinary SDLC and object-oriented SDLC is

a.in functional SDLC the development time is more than design time  
b.in object oriented SDLC ,design time is more than development time.  
c.both  
d.none

7.which of the following is not a bus-interface for a microprocessor

a.ISA  
b.AGP  
c.PCI  
d.ICE

8.which of the following statements are true for structure

a. a structure can contain a pointer to itself.  
b. structure can be compared  
c.both  
d.none

9.which is not defined as Codd's rule of RDBMS

a.comprehensive data sub language rule  
b.view updates.  
c.physical data dependency  
d.integrity dependency

10.encryption means

a.text to cipher  
b.cipher to text  
c.  
d.

11. in microprocessor over clocking will result in

a.overheating  
b.malfunctioning  
c.  
d.

12.cache is

- a..ROM
- b.RAM
- c.PROM
- d.EPROM

13.unix os implements two types of pipes ,one is formatted and other is

- a.low level pipes
- b.high level pipes
- c.middle level pipes
- d.none

/\*\*\*\*\*section B \*\*\*\*\*/

-----part A (c and unix, 10 questions were asked)-----

1.void main()

```
{  
extern int a;  
a=10;  
printf("%d",sizeof(a));  
}
```

will

- a. give linker error- a not defined
- b. print 10
- c. give compiler error

2.int a[10];

```
a[0]=12;  
a[12]=17;  
printf("%d,%d",a[0],a[12]);  
will compiler show any error?
```

3.socket() is a

- a.system call
- b. library function
- c.both
- d. none

4.the parameter of sizeof operator is

- a.data type
- b.variable
- c.both
- d.none

5.the argument of switch command is of type

- a.character

- b.integer
- c.both
- d.all of the above

6.

-----part b(c++ ,10 question)-----

1. difference between pointer and reference
- 2.inheritance of a class is relationship like
  - a. IS A(answer)
  - b. HAS A
  - c.
  - d.
- 3.In c++ difference between structure and class
  - a.
  - b.
  - c.
  - d.access specifier (answer)
- 4.default parameter implies
- 5.

guidelines: have a command on these topics  
virtual functon  
multiple inheritance( 2 questions)  
operator overloading

### **Blue Star Placement Paper**

ORDER MAY BE DIFFERENT.

30 qs on apti and time : 20 min.

1.complete the series  
1 6 3 7 5 8 7 ?  
ans: 9

2. if circle is one octagon is



2 4 6 8 or 10

3. pick the odd one out  
bend shave chop whittle shear

4. 2 persons start from a pt. and go in opposite directions. After going 3 km they turn left and walk 4 km .how far r they now?  
Ans: 10 km

5. there was a ques on work something like 2 typists type 2 papers in 4 hrs then in how much time will 5 typists take or something like that  
answer is 6 .

6. there were 2 ques on proverbs u were supposed to tell the meaning. they were easy.  
birds of same feathers flock together .  
ans . person is known by the company he keeps  
don't count ur chicks before they r hatched  
ans .

7 jumbled letter hcpraateu is parachute .

8 seema likes 225 but not 428 , 900 but not 811 she likes

1. 1600(ans)  
2 .819

9 . ans grass , scape ( two qs ) put a word before and after to generate a new word . ans . land

10 . QUIET IS TO SOUND THEN DARKNESS IS TO  
1 SUNLIGHT(ANS)

11 . BREAK , LIGHT , TIME  
ADD A 3 LETTER WORD TO MAKE A NEW WORDs ( ans .day)

12 . odd mann out  
1 bend 2 sheer 3 chop 4 . 5 whittle ( ans bend)

13 .  $1/4$  sec  $\rightarrow$  6 feet then 10 sec  $\implies$  240 feet

14 . fig banana, apple etc (ans . 25)

15  $1/5$  of  $1/8$  of etc ( ans .5)

16 analogy : potato : raddish

17 . a word used in a senetence ( a person with preconcieved opinion)  
ans : prejudice .

18 . 3 cent me 5 pencil then 60 cent me kitna pencils etc

19 . there are 1200 elephant 400 are pink and some are blue ,some with both colors  
1 true 2 false ( ans . false)

20 vowel b/w j and t  
ans . o

21 . how many 7's b/w 1 and 100

22 . odd mann out cat , dog , hampster , rabbit ,elk

23 . in party a husband a wife , their two sons with wives and 4  
children from each son then total no' of peoples in party  
ans 14.

technical

/\*\*\*\*\*BLUE STAR BIT,MESRA 2002\*\*\*\*\*/  
there were two sections A and B  
section A was mandatory  
section B contained 4 parts. u have to solve problems of any two parts

/\*\*\*\*\*Section 'a'\*\*\*\*\*/

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- b. cipher to text
- c.
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- a. overheating
- b. malfunctioning
- c.
- d.

12. cache is

- a. ROM
- b. RAM
- c. PROM
- d. EPROM

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- c. middle level pipes
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/\*\*\*\*\*section B \*\*\*\*\*/

-----part A (c and unix, 10 questions were asked)-----

```
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{
extern int a;
a=10;
```

```
printf("%d",sizeof(a));  
}
```

will

- a. give linker error- a not defined
- b. print 10
- c. give compiler error

ans a;

```
2.int a[10];
```

```
a[0]=12;
```

```
a[12]=17;
```

```
printf("%d,%d",a[0],a[12]);
```

will compiler show any error?

ans no;

```
3.socket() is a
```

- a.system call
- b. library function
- c.both
- d. none

ans b;

```
4.the parameter of sizeof operator is
```

- a.data type
- b.variable
- c.both
- d.none

ans c;

```
5.the argument of switch command is of type
```

- a.character
- b.integer
- c.both
- d.all of the above

6.

-----part b(c++ ,10 question)----

1. difference between pointer and reference

2.inheritance of a class is relationship like

- a. IS A(answer)
- b. HAS A

**Blue star paper has got 2 sections. Firstly u need to clear the aptitude test. It is very easy. Some of the ques are as follows:**

1.complete the series

1 6 3 7 5 8 7 ?

ans: 9

2. if circle is one octagon is

2 4 6 8 or 10

3. pick the odd one out

bend shave chop whittle shear

ans bend.

4. 2 persons start from a pt. and go in opposite directions. After going 3 km they turn left and walk 4 km .how far r they now?

Ans: 10 km

5. there was a ques on work something like 2 typists type 2 papers in 4 hrs then in how much time will 5 typists take or something like that

6. there were 2 ques on proverbs u were supposed to tell the meaning. they were easy.

7. a person runs 6 ft in 1/4 sec. how much it will run in 10 sec.

ans 240

8. find odd one

cat ,dog,rabbit,hamster,elk.

9. in a party man & his wife ,and there r 2 son with their wives, and every son has 4 children in his family .how many person r in party.

10. unscrambled the word P U T E C A S

A H (like that)

parashute

11. add a word in starting of SCAPE and at the end of Grass, u will get two different word

ans:- land

grassland

landscape

13. all men of this party are republican .

mohan is member of this party.

mohan is republican

is true or false or can't say?

14. there r 1200 elephant .some have blue and pink strips.some have pink & green strip. 400 ele. have only pink strip. how many have only blue strip

a. 400

b. can't determined.

c. none

15. DAY LIGHT DAY BREAK DAY TIME ANS:- DAY.

After clearing aptitude there was technical paper. It had 2 sections.

In section A there were 4 subsections out of which 2

were to be attempted. the first subsection was on c

and unix, second on ++,third on vb/asp/com and

fourth on rdbms.

In section B general computer awareness.

In section A I did c and c++.

Some ques were as follows

1.void main()

```
{  
extern int a;  
a=10;  
printf("%d",a);  
}
```

will

1. give linker error- a not defined ans
2. print 10
3. give compiler error

2.int a[10];  
printf("%d,%d",a[0],a[12]);  
will compiler show any error?

ans no

3.socket() is a

- 1.system call ans
2. library function
- 3.both
4. none

in c++ there were conceptual ques on virtual functions , operator overloading etc.

in section B some ques were as follows

1.in microprocessor over clocking will result in

- 1.overheating
- 2.malfunctioning

ans(check)

3.life would be half

4.

2.cache is

- 1.ROM
- 2.RAM ans
- 3.PRAM
- 4.EPRAM

3.how can pass an array to a fns.

- 1.desgin(\*\*a)
- 2.desgin (\*a)
- 3.dasgien(&a[0]);

4.

4.unix has pipelining fromatted &

a.high level

b.low "

c.mid level

- d. none "
5. task switching is
1. process switching
  - 2.
  - 3
  4. all of the above ans
  6. thread arev ans .light weight process+(c).....
7. virtual fns are defined as .....
8. which is not bus interface
- a. pci
  - b. ide
  - c. age
  - d. none
9. switch statement use only
- a. char
  - b. int
  - c. both
  - d. all of the above
10. multiple inheritance can not be used in a case.....?
11. what is difference b/w simple SQDL & Object oriented SQDL.
12. Virtual Destructor is used.....
13. question on two pass assembler .....
14. link list uses
- a. contiguous memory allocation
  - b. non coun. " "
  - c. both
  - d. none
15. non linear structure
- a. q & stack
- ans:- b. tree & graph
- c. tree & stack
  - d. tree & linklist
16. encryption is
- ans a. change readable code to cipher text
- b. none
  - c.
  - d.
17. sizeof () operator is used for
- a. data type
  - b. data type & variable
- ans c. both



d.none

18. deadlock condition

ans. no process knows exactly that both are waiting for each other.

19.static

ans:- it's initial value is one --- not true

20.

new can be overloaded ----- true

21.

virtual function----- ans a and c

means no code and forceful inheritance

22. for(;;)

ans:- infinite loop

Only three unix questions were there

1) socket() is a

answer: a) system call

2) two types of pipeline in unix one is formatted and other one is

highlevel

middle level

lowlevel

none ( i don't answer for this question pls check it out)

RDBMS

1 CAN foreign key have null values??

answer: YES

2 IN RDbms SORTING IS PERFORMED IN

ANSWER: TEMP

3. SIMILIAR TYPE QUESTION EXACTLY I DON'T REMEMBER BUT IT GOES LIKE THIS

MINIMUM REQUIREMENT FOR RDBMS

ANSWER IS SYSTEM

### Blue Star Placement Paper

1) In the multiplication of 2 numbers Gn. in alphabets

HE

EH

-----

HE

HHA

-----

HNME

-----

then the value of NAME is

ans: 2907

exp:  $17 \times 71$

-----  
17

119

-----  
1207  
-----

2) In a coding decoding ques, WATER is coded as XWDPK and something like LITAR is coded as PWD MN, WHERE is coded as

ans: is d) choice. it will contain 2 k's and one x. (it starts with x)

exp:

in both ATR is common and their code is PWD

then for WE --> XK, so for WHERE --> 2 x's or 2 k's to be their,

In the Gn. choices d) will only work correct.

3) A problem related to Counting no of rectangles.....

Ans:- 11

4) Angle b/w hour & minute at 3:35?

Ans:- nearest ans. given is 120 (actual ans is 102.5 deg).

5) One ques. : 100 m race : one covers it 45 sec & 36 sec then for how much distance winner will defeat the loser?

Ans: 20 m.

6) 3, 5, 5, 19, 7, 41, 9, ?

Ans:- 71

7) 7 red ball & 4 green ball, how many min. balls to be drawn to get two similar color ball?

Ans:- 3

8) 2, 5, 10, 17, - - - - - 10th term?

Ans:- 101

9) 1360 is divided into A, B, C. A gets  $\frac{2}{3}$  rd of B, B gets  $\frac{1}{4}$ th of C. What is B share? Ans: 240.

10) 8 pencils costs Rs 5. Then how many pencils can be bought for rs 50?

Ans: 80

11) A solves 10 pages in 5 minutes; B solves 5 pages in 10 minutes.

How many pages they can solve in 30 minutes?

Ans: 75.

12) A man starts from his house, and walks straight for 4 Km, then turns right, and walks for 2 Km, then turns right and walks for 2 Km, now

### **Blue Star Placement Paper**

1) Analytical 20 Q 20 min

Analytical Section is very easy. Simple arithmetic type problems are asked.

2) Software 20 Q 20 min

This section was rather tough. It consisted of typical S/W questions except from these 4 topics.

3 & 4) You have to choose 2 papers out of 4 papers from

C/unix ; c++ ; ASP/VB ; DBMS

Both papers will have 10 Q each to be done in 10 min respectively.

So total of 60 Q in 60 min.

in aug 2004---

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