

Hexaware Technical Paper

HTML

Ans. Hyper Text Markup Language

RISC

Ans. Reduced Instruction Set Computing

ASCII

Ans. American Standard Code For Information Interchange

ANSI

Ans. American National Standard Institute.

XML

Ans. Extended Markup Language

FLOPS

Ans. Floating Point Operating Per Second

SQL

Ans. Sequential Query Language

QBE

Ans. Query By Example

ALE

Ans. Address Latch Enable

What is lagging in DBMS ?

Ans. Reduced Redundancy.

Directions 12 to 20: For the following questions find the odd man out

Unix

OS/2

CMOS

MSDOS

Ans. CMOS

Oracle

Informix

Sybase

LISP

Ans. LISP

Laser

Inkjet

Dotmatirx

Mouse

Ans. Mouse

Dir

Cls

Csh

Copy

Ans. Csh

Bit

Byte

Nibble

Digit

Ans. Digit

Hard Disk

Floppy Drive

CD ROM

Cache

Ans. Cache

SQL

QUEL

QBE

ORACLE

Ans. Oracle

C++

JAVA

VC++

PASCAL

Ans. PASCAL

Projection Operation

Selection Operation

Intersection

Set Difference Operation

Ans. Intersection

Which of the following is a universal gate ?

(a) OR

(b) AND

(c) XOR

(d) NOR

Ans. NOR

The default back end of the VB is

(a) Oracle

(b) Sybase

(c) Informics

Ans. Sybase

What is meant by Superconductivity?

Ans. No resistance

Viscosity

Ans. Friction

What is the Lock Based Protocol used for?

Ans. Concurrency Control in DBMS

Directions for question 25 to 32: Convert the decimal numbers on the left to the required form

9's complement of 28

Ans. 71

Binary of 58

Ans. 111010

Octal of 359

Ans.547

Hexadecimal of 650

Ans.28A

BCD of 18

Ans.0001 1000

BCD of 34.8

Ans.0011 0100.1000

Excess-3 code of 6

Ans.1001

Excess-3 code of 9

Ans.1100

If $Ax + By = 1F16$; $Cx + Dy = 2510$.Find the value of x and y

Semaphore is used for

(a) synchronization

(b) dead-lock avoidance

(c) box

(d) none

Ans. a

For addressing 1 MB memory, the number of address lines required,

(a) 11

(b) 16

(c) 22

(d) 24

Ans. b

Which of the following remains in memory temporarily

(a) Resident portion of COMMAND.COM

(b) Transient portion of COMMAND.COM

(c) API

(d) Disk BIOS

Ans. b

Pick the odd man out

(a) IO.SYS

(b) MSDOS.SYS

(c) ROM-BIOS

(d) COMMAND.COM

Ans. c

OS/2 is a

(a) Single User OS

(b) Multi User OS

(c) Multi Tasking OS

(d) None of these

Ans. c

Bootstrap loader program is a program belonging to

- (a) ROM startup software
- (b) ROM extension software
- (c) ROM BIOS software
- (d) ROM Basic software

Ans. a

The entry of starting cluster of a file is present in

- (a) Boot Parameters
- (b) Directory
- (c) FAT
- (d) Partition Table and master boot program

Ans. c

APTITUDE SECTION

Directions for questions 1-6: Find the correct meaning of the following phrases

A man of letters

A man of straw

To be in the air

To bite the dust

Man of few words

Penny wise pound foolish

Find the remainder when 333666777888999 divided by 3 or 9 or 11 ?

Which is the biggest perfect square amongst the following

15129, 12348, 23716, 20736

The greatest area of the following

(a) The radius of circle is 4

(b) The square of diagonal is 4

(c) The square of side is 4

The area of the maximum size of the circle described from the 10 square inch square?

In the series 0, 3, 8, 15,___ What is the next number?

$X < 0$, $Y \neq 0$ then what is the possibility that the result is always positive?

Ans. xy

3 red and 4 blue balls are in a basket. A member of PPTeam is drawing balls from the basket. What is the probability of getting the 3 red balls simultaneously?

Let $ax^2 + bx + c = 0$

If the sum of the equal roots is equal to the product of the same roots. Then which of the following hold true

(a) $a + b = 0$

(b) $a = 0$

(c) $c = 0$

(d) $a + c = 0$

A gold density is 19 times greater than the water and for copper it is 9 times. At what ratio you can mix gold and copper to get 15 times denser than water.

Ans. 3 : 2

Find the value of $(1.99)^2$

Ans. 3.9601

There is a room with 6' x 8'. A 1' tile is fixed along the 4 walls in one row. How many 1" tiles require to finish the work.

Ans. 24

2 persons can finish a job in 8 days. First person alone can finish the work in 24 days. How many days does the second person take to finish the job?

Ans. 12 days

A 4" cube is painted in all its faces and then it is cut down into 1" blocks. How many 1" blocks are there even without a single face being painted?

Ans. 8

A cylinder is inserted in a sphere $d/h = 2/3$. Find the surface area of the cylinder ?

In a car wheel, two spokes cover 15 degree. Then for the entire car,how many spokes are there?

Ans. 24.

What is the angle of degree suspended when two hands of clock showing the time 2.30.

Ans. 105 degrees

The age difference between two brothers is 3 years. After 6 years the ratio between the age is 9:8What are their ages?

Ans. 21 and 18

A person's salary is getting reduced by 20%. What percentage should be added to get back his original salary?

Ans. 25%

Two persons start at the same point, walk in opposite directions with 5km/hr and 5.5km/hr respectively. What is the distance separated after 2 and half hrs?

Ans. 26.25 (approx)

A person starts walking at a speed of 5km/hr through half the distance, rest of the distance he covers with a speed 4km/hr. Total time of travel is 9 hours. What is the maximum distance he can cover?

Ans. 40km.

Initially two cups of same volume are present with milk filled upto $\frac{3}{5}$ th and $\frac{4}{5}$ th of their volumes. Water is then filled. Then two mixtures are mixed. Find the ratio of water to milk in the mixture.

Ans. 3 : 7

16 grams of radioactive material decays into 8 grams in 10 years. How long will it take to decay to 1 gram ?

Ans. 70 yrs.

In a rectangle the length is increased by of the original length . By what proportion should the width be reduced so that the area will be the same?

Ans. 33

Find the nth number in the series is 1, -3, 5, -7.____

Ans. $(-1)^n(2n-1)$

If a square is formed by the diagonal of the square as an edge, what is the ratio between the area?

Ans. 2

The perimeter of a rhombus is 52 units. One of its diagonal is 24 units. What is its second diagonal's length?

Ans. 10

A cubical rectangular bar has the dimensions with the ratio 5 : 4 : 3. Its volume is 7500. What is the surface area of the bar?

Ans. 2350

In a class total 34 students, 16 have a brother, 15 have sisters, 9 students don't have either brothers or sisters. Find the number of students having both brother and sisters.

Ans. 6

A batsman scored 18 runs in his 18th innings and that makes his average 18. Find his average upto the 17th innings?

Ans. 19

6 women can do 75 units of work in 8 days by working 5hrs/day. In how many days can 4 women do 30 units of work by working 8hrs/day ?

A person's salary is decreased by steps of 20%, 15% and 10%. What will be the percentage decrease, if the salary is decreased in a single shot?

The ratio of the length : breadth : height of a cuboid is 5 : 4 : 3, and the volume is 7500. What will be its surface area ?

If the circumference of a circle is 100 units, Then what will the length of the arc described by an angle of 20 degree ?

3 persons started placement papers with a capital of Rs.3000 . B invest Rs.600 less than A, C invest Rs.300 less than B. Then what is the share amount of B in a profit of Rs.886 ?

Directions for 41-50: Which of the following is the correct spelling for the word

supercede and supersede

recommend and reccomend

superitendent and superitendant

separate and sepearate

succeed and suceed

coolly and cooly

despair and dispair

ridiculous and rediculous

indespensible and indepensable

tranquility or tranquillity

C TEST

Directions: For the given sample program give the output of the program(30 marks)


```
main()

{

int a[]={ 2,4,6,8,10 };

int i;

change(a,5);

for( i = 0; i <= 4; i++)

printf("\n %d",a[i]);

}

change( int *b, int n){

int i;

for( i = 0; i < n; i++)

*(b+i) = *(b+i) + 5;

}
```