1.   *Directions for questions 1-10: Expand the following terms*

1. ODBC
Ans. Open Database Connectivity.

2. HTML
Ans. Hyper Text Markup Language

3. RISC
Ans. Reduced Instruction Set Computing

4. ASCII
Ans. American Standard Code For Information Interchange

5.ANSI
Ans. American National Standard Institute.

6. XML
Ans. Extended Markup Language

7. FLOPS
Ans. Floating Point Operating Per Second

8. SQL
Ans. Sequential Query Language

9. QBE
Ans. Query By Example

10. ALE
Ans. Address Latch Enable

11. What is lagging in DBMS ?
Ans. Reduced Redundancy.

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

12. Unix
     OS/2
     CMOS
     MSDOS

Ans. CMOS

13. Oracle
     Informix
     Sybase
     LISP

Ans. LISP

14. Laser
    Inkjet
    Dotmatirx
    Mouse

Ans. Mouse

15. Dir
    Cls
    Csh
    Copy

Ans. Csh

16. Bit
    Byte
    Nibble
    Digit

Ans. Digit

17. Hard Disk
    Floppy Drive
    CD ROM
    Cache

Ans. Cache

18. SQL
    QUEL
    QBE
    ORACLE

Ans. Oracle

19. C++
    JAVA
    VC++
    PASCAL

Ans. PASCAL

20. Projection Operation
    Selection Operation
    Intersection
    Set Difference Operation

Ans. Intersection

21. Which of the following is a universal gate ?
(a) OR
(b) AND
(c) XOR
(d) NOR

Ans. NOR

22. The default back end of the VB is
(a) Oracle
(b) Sybase
(c) Informics

Ans. Sybase

23. What is meant by Superconductivity?
Ans. No reistance

24. Viscosity
Ans. Friction

25. 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

25. 9's complement of 28
Ans. 71

26. Binary of 58
Ans. 111010

27. Octal of 359
Ans.547

28. Hexadecimal of 650
Ans.28A

29. BCD of 18
Ans.0001 1000

30. BCD of 34.8
Ans.0011 0100.1000

31. Excess-3 code of 6
Ans.1001

32. Excess-3 code of 9
Ans.1100

33. If $Ax + By = 1F_{16}$; $Cx + Dy = 25_{10}$ .Find the value of x and y

34. Semaphore is used for
(a) synchronization
(b) dead-lock avoidence
(c) box
(d) none

Ans. a

35. For addressing 1 MB memory, the number of address lines required,
(a)11
(b)16
(c)22
(d) 24

Ans. b

36. 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

37. Pick the odd man out
(a) IO.SYS
(b) MSDOS.SYS
(c) ROM-BIOS
(d) COMMAND.COM

Ans. c

38. OS/2 is a
(a) Single User OS
(b) Multi User OS
(c) Multi Tasking OS
(d) None of these

Ans. c

39. 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

40. 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

1. A man of letters

2. A man of straw

3. To be in the air

4. To bite the dust

5. Man of few words

6. Penny wise pound foolish

7. Find the reminder when 333666777888999 divided by 3 or 9 or 11 ?

8. Which is the biggest perfect square amongst the following
15129, 12348, 23716, 20736

9. 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

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

11. In the series 0, 3, 8, 15,__ What is the next number?

12. X < 0, Y <> 0 then what is the possibility that the result is always positive?
Ans. xy

13. 3 red and 4 blue balls are in a basket. A member of PPTeam is drawing balls from the basket. What is the probablity
of getting the 3 red balls simultaneously?

14. 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

15. A fold 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

16. Find the value of $(1.99)^2$
Ans. 3.9601

17. 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

18. 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

19. 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

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

21. In a car wheel, two spokes cover 15 degree. Then for the entire car,how many spokes are there?
Ans. 24.

22. What is the angle of degree suspended when two hands of clock showing the time 2.30.
Ans. 105 degrees

23. The age difference between two brothers is 3 years. After 6 years the ratio between the age is 9:8
What are their ages?
Ans. 21 and 18

24. A person' s salary is getting reduced by 20%. What percentage should be added to get back his
original salary?
Ans. 25%

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)

26. 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.

27. Initially two cups of same volume are present with milk filled upto 3/5th and 4/5th 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

28. 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.

29. 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

30. Find the nth number in the series is 1, -3, 5, -7.___
Ans. (-1)*(2n-1)

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

Ans. 2

32. The perimeter of a rhombus is 52 units. One of its diagonal is 24 units.What is its second
diagonals length?
Ans. 10

33. 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

34. In a class total 34 students, 16 are have a brother, 15 are have sisters, 9 students don' t have either
brothers or sisters.Find the number of students having both brother and sisters.
Ans. 6

35. A batsman scored 18 runs in his 18th innings and that makes his average 18. Find his average
upto the
17th innings?
Ans. 19

36. 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 ?

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

38. 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 ?

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

40. 3 persons started placementpapers 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

41. supercede and supersede

42. recommend and reccomend

43. superitendent and superitendant

44. separate and seperate

45. succeed and suceed

46. coolly and cooly

47. despair and dispair

48. ridiculous and rediculous

49. indespensible and indepensable

50. 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;
}
```