

Subject: C and COBOL (fwd)

this is the TCS C paper.it actually contains 50 questions.but i am sending only 43 questions.though 46 questions are available only these are

visible.so it is i am sending 43 only.the set code is 'D'.

- 1.The C language terminator is
  - a.semicolon
  - b.colon
  - c.period
  - d.exclamation mark
- 2.What is false about the following  
A compound statement is
  - a.A set of simple statments
  - b.Demarcated on either side by curly brackets
  - c.Can be used in place of simple statement
  - d.A C function is not a compound statement.
- 3.What is true about the following  
C Functions
  - a.Need not return any value
  - b.Should always return an integer
  - c.Should always return a float
  - d.Should always return more than one value.
- 4.Main must be written as
  - a.the first function in the program
  - b.Second function in the program
  - c.Last function in the program
  - d.any where in the program
- 5.Which of the following about automatic variables within a function is correct ?
  - a.its type must be declared before using the variable
  - b.they are local
  - c.they are not initialised to zero
  - d.they are global.
- 6.Write one statement equalent to the following two statements  
`x=sqr(a);`  
`return(x);`  
Choose from one of the alternatives
  - a.`return(sqr(a));`
  - b.`printf("sqr(a)");`
  - c.`return(a*a*a);`
  - d.`printf("%d",sqr(a));`
- 7.Which of the following about the C comments is incorrect ?
  - a.commentscan go over multiple lines
  - b.comments can start any where in the line

c.a line can contain comments with out any language statements  
 d.comments can occur within comments

8.What is the value of y in the following code?

```
x=7;y=0;
if(x=6)
  y=7;
else
  y=1;
```

- a.7
- b.0
- c.1
- d.6

9.Read the function conv() given below

```
conv(int t)
{
  int u;
  u=5/9 * (t-32);
  return(u);
}
```

What

- a.15
- b.0
- c.16.1
- d.29

10.which of the following represents true statement  
 either x is inthe range of 10 and 50 or y is zero

- a. $x \geq 10 \ \&\& \ x \leq 50 \ || \ y == 0;$
- b.
- c.
- d.

11.Which of the following is not an infinite loop ?

- a.`while(1){`  
`....`  
`}`
- b.`for(;;){`  
`...`  
`}`
- c.`x=0;`  
`do{`  
`/*x unaltered within theloop*/`  
`...`  
`}while(x==0);`
- d.`# define TRUE 0`  
`...`  
`while(TRUE){`  
`....`  
`}`

12.what does the following function print?

```
func(int i)
{
```

```

if(i%2)return 0;
eale return 1;
}
main()
{
int =3;
i=func(i);
i=func(i);
printf("%d",i);}

```

a.3

b.1

c.0

d.2

13.how does the C compiler interpret the following two statements

```
p=p+x;
```

```
q=q+y;
```

a.p=p+x;

```
q=q+y
```

b.p=p+xq=q+y

c.p=p+xq;

```
q=q+y
```

d.p=p+x/q=q+y

For questions 14,15,16,17 use the following alternatives

a.int

b.char

c.string

d.float

14.'9'

15."1 e 02"

16.10e05

17. 15

18.read the follloing code

```
# define MAX 100
```

```
# define MIN 100
```

```
....
```

```
....
```

```
if(x>MAX)
```

```
x=1;
```

```
else if(x<MIN)
```

```
x=-1;
```

```
x=50;
```

if the initial value of x=200,what is the vlaue after executing thi  
s  
code?

a.200

b.1

c.-1

- d.50
19. a memory of 20 bytes is allocated to a string declared as `char *s` then the following two statements are executed:  
`s="Etrance"`  
`l=strlen(s);`  
 what is the value of `l` ?  
 a.20  
 b.8  
 c.9  
 d.21
20. given the piece of code  
`int a[50];`  
`int *pa;`  
`pa=a;`  
 to access the 6th element of the array which of the following is incorrect?  
 a. `*(a+5)`  
 b. `a[5]`  
 c. `pa[5]`  
 d. `*(pa + 5)`
21. consider the following structure:  
`struct num nam{`  
     `int no;`  
     `char name[25];`  
`};`  
`struct num nam`  
`n1[]={12, "Fred"}, {15, "Martin"}, {8, "Peter"}, {11, "Nicholas"};}`  
 .....  
 .....  
`printf("%d%d", n1[2], no, (*(n1 + 2), no) + 1);`  
 What does the above statement print?  
 a.8,9  
 b.9,9  
 c.8,8  
 d.8, unpredictable value
22. identify the in correct expression  
 a. `a=b=3=4;`  
 b. `a=b=c=d=0;`  
`float a=int b=3.5;`  
 d. `int a;`  
     `float b;`  
     `a=b=3.5;`
23. regarding the scope of the variables; identify the incorrect statement:  
 a. automatic variables are automatically initialised to 0  
 b. static variables are are automatically initialised to 0  
 c. the address of a register variable is not accessiable  
 d. static variables cannot be initialised with any expression
24. `cond 1?cond 2?cond 3?:exp 1:exp 2:exp 3:exp 4;`  
 is equivalent to which of the following?

```

a.if cond 1
  exp 1;
  else if cond 2
  exp 2;
  else if cond 3
  exp 3;
  else
  exp 4;

```

```

b.if cond 1
  if cond 2
  if cond 3
  exp 1;
  else
  exp 2;
  else
  exp 3;
  else
  exp 4;

```

```

c.if cond 1 && cond 2 && cond 3
  exp 1 |exp 2|exp 3|exp 4;

```

```

d.if cond 3
  exp 1;
  else if cond 2
  exp 2;
  else if cond 3
  exp 3;
  else
  exp 4;

```

25.the operator for exponencation is

```

a.**
b.^
c.%
d.not available

```

26.which of the following is invalid

```

a.a+=b
b.a*=b
c.a>>=b
d.a**=b

```

27.what is y value of the code if input x=10

```

y=5;
if (x==10)
else if(x==9)
elae y=8;
a.9
b.8
c.6
d.7

```

28.what does the following code do?

```

fn(int n,int p,int r)
{

```

```

static int a=p;
switch(n){
    case 4:a+=a*r;
    case 3:a+=a*r;
    case 2:a+=a*r;
    case 1:a+=a*r;
}
}

```

- a.computes simple interest for one year
- b.computes amount on compound interest for 1 to 4 years
- c.computes simple interest for four year
- d.computes compound interst for 1 year

29.a=0;

```

while(a<5)
printf("%d\n",a++);

```

how many times does the loop occurs?

- a.infinite
- b.5
- c.4
- d.6

30.how many times does the loop iterated ?

```

for (i=0;i=10;i+=2)
    printf("Hi\n");

```

- a.10
- b.2
- c.5
- d.....

31.what is incorrect among teh following

- A recursive functiion
- a.calls itself
- b.is equivalent to a loop
- c.has a termination cond
- d.does not have a return value at all

32.which of the following go out of the loopo if expn 2 becoming false

- a.while(expn 1){...if(expn 2)continue;}
- b.while(!expn 1){if(expn 2)continue;...}
- c.do{..if(expn 1)continue;..}while(expn 2);
- d.while(!expn 2){if(expn 1)continue;..}

33.consider the following program

•B.....

```

main()

```

```

•OB    {unsigned int i=10;
        while(i>=0){
            printf("%u",i)
            i--;
        }
    }

```

how many times the loop wxecuted

- a.10
- b.9

- c.11  
d.infinite
- 34.pick out the add one out  
a.malloc()  
b calloc()  
c.free()  
d.realloc()
- 35.consider the following program  
main()  
{  
  int a[5]={1,3,6,7,0};  
  int \*b;  
  b=&a[2];  
}  
the value of b[-1] is  
a.1  
b.3  
c.-6  
d.none
- 36.# define prod(a,b)=a\*b  
main()  
{  
  int x=2;  
  int y=3;  
  printf("%d",prod(x+2,y-10)); }  
  
the output of the program is  
a.8  
b.6  
c.7  
d.none
- 37.consider the following program sigment  
int n,sum=1;  
switch(n) {  
  case 2:sum=sum+2;  
  case 3:sum\*=2;  
    break;  
  default:sum=0;}  
if n=2, what is the value of sum  
a.0  
b.6  
c.3  
d.none
- 38.identify the incorrect one  
1.if(c=1)  
2.if(c!=3)  
3.if(a<b)then  
4.if(c==1)  
a.1 only  
b.1&3

- c.3 only  
d.all
- 39.the format specified for hexa decimal is  
a.%d  
b.%o  
c.%x  
d.%u
- 40.find the output of the following program  
main()  
{  
  int x=5, \*p;  
  p=&x;  
  printf("%d",++\*p);  
}
- a.5  
b.6  
c.0  
d.none
- 41.consider the following C code  
main()  
{  
  int i=3,x;  
  while(i>0)  
  {  
    x=func(i);  
    i--;  
  }  
  int func(int n)  
  {  
    static sum=0;  
    sum=sum+n;  
    return(sum);  
  }  
  the final value of x is  
a.6  
b.8  
c.1  
d.3
- 43.int \*a[5] refers to  
a.array of pointers  
b.pointer to an array  
c.pointerto a pointer  
d.....
- 46.which of the following statements is incorrect  
a.typedef struct new{  
                          int n1;  
                          char n2;  
                          } DATA;  
b.typedef struct {  
                          int n3;



```

        char *n4;
        }ICE;
c.typedef union {
        int n5;
        float n6;
        } UDT;
d.#typedef union {
        int n7;
        float n8;
        } TUDAT;

```

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Only These Are The Questions Available For C Paper.

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ANSWERS:

-----

1-5     D, C, D, C, C

6-10    D, C, C, A, D

11-15   D, C, A, A, A

16-20   B, C, D, C, A

21-25   C, D, B, D, A

26-30   C, B, B, A, D

31-35   B, C, C, C, B

36-40   A, B, A, B, B

41-45   A, D, D, D, A

46-50   B, C, C, A, A

This the COBOL paper.

01.consider the following piece of code

```

01 GROSS-PAY
05 BASIC-PAY   PIC 9(5)
05 ALLOWENCES PIC 9(3)

```

if BASIC-PAY has a value 1000 and ALLOWENCES has a value of 250, what will be

displayed by the statement  
 DISPLAY GROSS-PAY

- a.1250
- b.01000250
- c.01250
- d.1.250

02.consider two data items

```
77 W-A PIC 9(3)V99 VALUE 23.75
77 W-B PIC ZZ9V99 VLAUE 123.45
```

after the statement

```
MOVE W-A TO W-B
```

what will be W-B's value?

- a.123.75
- b.b23.75 (where b indicates space)
- c.023.75
- d.invalid move

03.what is the result of the following?

```
DIVIDE A INTO B GIVING C.
```

- a.C=A/B
- b.the remainder of B/A is stored in C
- c.C=B/A
- d.the remainder of A/B is stored in C

04.consider the statement (incomplete)

```
IF(A NUMERIC)
```

```
DISPLAY A
```

the variable A can be

- a.NUMERIC
- b.ALPHABETIC
- c.ALPHANUMERIC
- d.NUMERIC OR ALPHANUMERIC

05.which of the following can be used as a check protection symbol

- a.Z
- b.S
- c.\*
- d.+

06.what if any ,is the syntax error in the following piece of code

```
01 B PIC A(7)
```

```
02 C PIC 9(4)
```

```
.....
```

```
IF(B NUMERIC)
```

```
ADD 10 TO C
```

- a.the condition in the if statement is wrong
- b.nothing is wrong
- c.because C is initialised.ADD 10 TO C is wrong

d.both B and C should have same size.

07.study the following code

```
01 A1
   05 B    PIC 99
   05 C    PIC X(4)
01 A2
   05 B    PIC 99V99
   05 C    PIC A(4)
```

pick out the valid statement from the following

a.A1 and A2 can not have sub-ordinates

b.A1 and A2 can have the same sub-ordinates but must have same PIC clause

c.there is nothing wrong

d.A1 and A2 can have same sub-ordinates provided they are not at 01

level

08.study the following

```
01 A    PIC 99V0 VALUE 5
01 B    PIC 9V9  VALUE 6
01 C    PIC 99V9 VALUE 2.5
01 D    PIC 99   VALUE 3
COMPUTE A ROUNDED B C = A+B*C/D
ON SIZE ERROR PERFORM PRINT-ERROR
```

the comments of A.B.C after execution of the above statement are

a.A=10 B=0 C=10

b.A=10 B=9.9 C=9.9

c.A=10 B=0 C=9.9

d.A=10 B=6 C=10

09.how many times PARA-A is performed :

```
PERFORM PARA-A VARYING TIMES-COUNTER FROM 1 BY 1
  UNTIL TIMES-COUNTER >0
PARA-A
  MOVE P TO Q
  MOVE H TO TIMES COUNTER
```

a.10

b.1

c.11

d.0

10.consider the following piece of code

```
01 GROUP-ITEM
   05 AMOUNT-1  PIC 99V9      USAGE COMP VALUE 50
   05 AMOUNT-2  PIC 9(4)V99  USAGE COMP
  MOVE ZERO TO GROUP-ITEM
  ADD 50 TO AMOUNT-1
```

what will be the content of AMOUNT-1?

a.50

b.100

c.0

d.unpredictable

11.consider the following program statements

```

MOVE 0 TO SW.NO.OF.REC
PERFORM PRI-OUT UNTIL SW=1
DISPALY NO.OF.REC
STOP RUN
PRE-OUT

```

```

  READ IN-FILE AT END
  MOVE 1 TO SW
  WRITE OVO-REC FROM IN-REC
  ADD 1 TO NO.OF REC

```

if the IN-FILE contains 1000 records what value will be displayed after the

PERFORM is over? assume that NO.OF.REC has PIC 9(4)

- a.1000
- b.1001
- c.1

d.none of the above since there is a syntax error

12.study the data discriptions and answer the questions given below

```

i)01 ORDER RECORD
    05 OUT-HEADER PIC X(50)
    05 ITEM-COUNT PIC 99
    05 OUT-ITEM PIC X(20) OCCURS 1 TO 20 DEPENDING ON

```

ITEM-COUNT

```

ii)01 NAME-AND-ADDRESS
    05 N-AND-A-LINE OCCURES 5
    05 LINE-LENGTH PIC P9
    05 N-AND-A-CHAR PIC X OCCURS 1 TO 20 DEPENDING ON

```

LINE-LENGTH

```

iii)01 SALES-LIST
    05 SALESMAN-COUNT PIC 99
    05 SALES PIC 9(6) OCCURS 1 TO 100 DEPENDING ON
        SALESMAN-COUNT

```

```

iv)01 ORDER-RECORD
    05 NO-OF-BRANDS PIC 99
    05 BRAND-PURCHASED OCCURS 1 TO 15 DEPENDING ON NO-OF-BRANDS

```

which of the following is true?

- a.i) and iii) are valid
- b.i) and iv) are valid
- c.i) and iii) are not valid
- d.all are valid

13.C1 C2 C3 are three conditions whose TRUTH values are as folloes.

```

C1-TRUE    C2-FALSE    C3-TRUE
A,B,C are defined as given below
A:C1 AND(NOT C2) OR C3
B.(NOT C1) OR (NOT C2 AND NOT C3)
C.(C1 OR C2)AND C3
D.C1 AND C2 OR C3

```

given the above information which of the following statements are valid?

- a.only A,B and C are TRUE
- b.only A,C and D are TRUE

- c. A, B, C and D are TRUE
- d. only C and D are TRUE

14. consider the following

```

FD FILE-1
  01 REC-1    PIC X(80)
  .....
WORKING-STORAGE SECTION
  01 W-REC    PIC X(90)
  .....
PROCEDURE DIVISION
FIRST-PARA
  .....

```

    READ FILE-1 INTO W-REC AT END MOVE 1 TO EOF-FLAG

which of the following is true with respect to the above?

- a. REC-1 will contain nothing and W-REC will contain the contents of

the

    record read

- b. REC-1 and W-REC contain the same data
- c. syntax is invalid and error will occur
- d. REC-1 and W-REC must be of same size

15. PERFORM ACCUMULATE-TOTALS

    VARYING A FROM 1 BY 2 UNTIL A >2

    AFTER B FROM 1 BY 1 UNTIL B >2

    AFTER C FROM 2 BY -1 UNTIL C <2

the paragraph ACCUMULATE-TOTALS would be executed

- a. 18 times
- b. 4 times
- c. 8 times
- d. 24 times

16. there is a file whose ORGANISATION is INDEXED. you want to read the records

    from the file in RANDOM fashion as well as sequentially. then which of the

    access mode would you specify?

- a. SEQUENTIAL
- b. RANDOM
- c. DYNAMIC
- d. ACCESS MODE has nothing to do with it

17. consider the following PROCEDURE DIVISION entry

```

OPEN EXTEND IN-FILE

```

identify the correct statement

- a. organization of IN-FILE is sequential and records can be added in

the

    beginning

- b. organization of IN-FILE is sequential and records can be added in

the

    end

c.organization of IN-FILE is indexed and records can be added in the beginning

d.organization of IN-FILE is indexed and records can be added in the end

18.what is the size of W-REC in the following

```

01 W-REC
  05 A          PIC 9(4)V99
  05 B READLINES A
      10 C PIC XX
      10 D PIC S9(4)
  05 E OCCURS 7  PIC ZZ.ZZ
  05 F OCCURS 5
      10 G PIC ZZ.ZZZ99
      10 H OCCURS 3
          15 J PIC 9(3)
          15 K PIC V99

```

a.177

b.161

c.180

d.none of yhe above

19.consider the following two IF statements:

```
IF X AND NOT Y MOVE A TO B
```

```
IF Z=1 OR 9 MOVE A TO B
```

select one of the following data divusion entries which gives identical

results for both the above IF statements

a.01 Z PIC 9

```
88 X VALUE 1.9
```

```
88 Y VALUE 0.2 THRU 8
```

b.01 Z PIC 9

```
88 X VALUE 0.2 THRU 8
```

```
Y VALUE 1.9
```

c.01 Z PIC 9

```
88 X VALUE 1.9
```

```
88 NOT-Y VALUE 0.2 THRU 1.9
```

d.none of yhe above

20.consider the following two statements

```
MOVE 10 TO N
```

```
PERFORM PARA-X N TIMES
```

```
STOP RUN
```

```
PARA-X
```

```
MOVE 5 TO N
```

how many times PARA-X willbe exicuted?

a.10

b.5

c.infinite

d.execution error

21.given the following:

```

77 A    PIC    9V9    VALUE 9.5
77 B    PIC    9      VALUE 9.
77 C    PIC    V9     VALUE 0.8
77 D    PIC    9
77 E    PIC    9
77 F    PIC    9V999

```

what are the contents of D E and F after the following statements are executed:

```

      COMPUTE F ROUNDED=A+C/B
      MULTIPLY A BY C GIVING E
      ADD B C A GIVING D ROUNDED
a.F=9.589  E=8  D=1
b.F=9.589  E=8  D=9
c.F=9.589  E=7  D=9
d.F=9.589  E=7  D=1

```

22. Consider the following IF condition:

```

IF A LESS 1200 IF B GREATER 25 MOVE 47 TO C
ELSE MOVE 57 TO C
IF A GREATER 249 MOVE 67 TO C
ELSE NEXT SENTENCE ELSE IF B LESS 67
MOVE 27 TO C

```

What will be the value of C, when A is 137 and b is 25

- (a) 27
- (b) 57
- (c) 67
- (d) none

23. Consider the following:

```

77 W-NUM          PIC 9      VALUE 0
-----
      MOVE 1 TO W-NUM
      PERFORM PARA-X UNTIL W-NUM > 9.
-----
PARA-X
      ADD 1 TO W-NUM

```

How many times PARA-X is executed ?

- (a) 10
- (b) 9
- (c) 11
- (d) Infinite loop

24. Consider the following code:

```

77 A    PIC    99V99    VALUE 55.35

```

77 B PIC 99V999 VALUE 32.754

ADD B TO A ON SIZE ERROR DISPLAY "ERROR!!!"

What will be the result ?

- (a) A=88.10, B=32.754
- (b) A=87.00 B=32.754
- (c) A=87.10 B=32.754
- (d) ERROR!!! will be DISPLAYed on the screen.

25. Consider the following:

```
77      A      PIC      9(10)
77      B      PIC      9(10)
77      C      PIC      9(19)
```

MULTIPLY AB BY B GIVING C

Which of the following is true ?

- (a) The execution of the above may result in size error.
- (b) The execution of the above will result in size error.
- (c) The definition of C is invalid resulting in compilation error.
- (d) No error will be thee and the program would proceed correctly.

26. A paragraph PARA-X is to be executed when none oof the data names A, B and C have value of 1. Which of the following will achieve this ?

- (a) IF A NOT = 1 OR B NOT = 1 OR C NOT = 1 PERFORM PARA-X
- (B) IF NOT A= 1 AND B= 1 AND C = 1 PERFORM PARA-X
- (C) IF A NOT =1 IF NOT B = 1 OR C= 1 PERFORM PARA-X
- (C) IF A NOT = 1 AND B NOT = 1 AND C NOT = 1 PERFORM PARA-X

27. Study the five expressions and the class to which they belong:

S.N.	Expression	Class
1	"SPACES"	Figurative constant
2.	"Depreciation Schedule	Non-numeric literal
3.	"12%"	Non-numeric literal
4.	INTEREST-DUE	Non-numeric literal
5.	ZEROES	Figurative constant

Which of the following statement is true?

- (a) 1 and 3 are incorrect
- (b) 1 and 4 are incorrect
- (c) 3 and 4 are incorrect



(d) All are correct

28. Identify the invalid dataname from the following:

- (a) SAVINGS-ACCOUNT
- (b) ANNUAL-ALLOCATION-FOR-OVERHEAD
- (c) SAMOUNT250
- (d) 12DEMAND

29. Study the DATA DIVISION entries and the three PROCEDURE DIVISION entries

given below:

```

01 END-OF-FILE-SWITCH  PIC XXX.
   88 NO-MORE-RECS      VALUE "YES".
   88 MORE-RECS         VALUE "NO".
(i)  READ SAMPLE-FILE AT END MOVE "YES" TO NO-MORE-RECS.
(ii) IF NO-MORE-RECS = "YES" GO TO LAST-PARA.
(iii) IF NO-MORE-RECS GO TO LAST-PARA.

```

Which are wrong?

- (a) (i) and (ii)
- (b) (ii) and (iii)
- (c) (i) and (iii)
- (d) all

30. The following entries appear in the WORKING-STORAGE SECTION:

```

01 DATE-TODAY.
   05 YY  PIC XX VALUE "90".
   05 MM  PIC XX VALUE "12".
   05 DD  PIC XX VALUE :31".
01 DATE-EDIT  PIC XX/XX/XX.
MOVE DATE-TODAY TO DATE-EDIT.

```

- (a) 901231
- (b) 90/12/31
- (c) 31/12/90
- (d) 311290

31. How many bytes will be allocated for the following record description

entries?

```

01 REC-A.
   05 A PIC S9(4).
   05 B PIC XXXBXXX.
   05 C PIC ____9.99.
   05 D PIC S9(5) COMP-3.
   05 E PIC 9(3) COMP.

```

- (a) 29
- (b) 26
- (c) 25
- (d) 28

32. What is wrong with the following data declaration?

```

01 W-DATE    PIC X(6).
   05 DD PIC 99.
   05 MM PIC 99.
   05 YY PIC 99.

```

- (a) Nothing is wrong.  
 (b) Under W-DATE all level 05 items are having a PIC 99 but

level

- 01 has PIC X(6).  
 (c) PIC can't be specified for a group item.  
 (d) DD, MM, and YY are invalid datanames.

33. What is the output generated by the following code?

```

01 GRP-I.
   05 SUBFLD1 PIC XX VALUE "AB".
   05 FILTER PIC X(6) VALUE SPACES.
01 GRP-2 REDEFINED GRP-1.
   05 SUB-FLD2 PIC XX.
   05 SUB-FLD3 PIC XX.
   05 FILTER PIC X(4).
IF SUB-FLD1 NOT = SPACES
   DISPLAY "SUBFLD1"
   MOVE "ABBCCD" TO GRP-1
   IF SUB-FLD3 = SPACES
       DISPLAY "SPACES"
   ELSE
       DISPLAY "SUBFLD3"
       DISPLAY "END"
   ELSE
       DISPLAY "SPACES"
       DISPLAY "END".

```

- (a) SUBFLD1  
 SUBFLD3  
 END  
 (b) SPACES  
 END  
 (c) SUBFLD1  
 END  
 (d) SUBFLD1  
 SPACES

34. 88 level entry is used for

- (a) data items in WORKING-STORAGE SECTION  
 (b) items with RENAME clause  
 (c) condition-names  
 (d) None of the above

35. ZEROES and SPACES are \_\_\_\_\_ constants

- (a) Figurative  
 (b) Numeric  
 (c) Non-numeric

- (d) Alphabete
36. COMPUTE X = A \* B - C \* D and  
COMPUTE X = (A \* B) - (C \* D)  
(a) Are not the same  
(b) Are same  
(c) Syntactically wrong  
(d) Will yield a run time error
37. OCCURS clause is used in the DATA DIVISION on data names at  
(a) 01 level  
(b) 77 level  
(c) 88 level  
(d) any level from 02 to 49
38. Consider the following COBOL entries:  
05 X PIC 99 VALUE 10.  
SUBTRACT 20 FROM X.  
The resultant value of X will be  
(a) 10  
(b) 00  
(c) compile-time error  
(d) none of these
39. Consider the following COBOL entries  
05 X PIC 99 VALUE 10.  
ADD 40 X TO X.  
COMPUTE X = 3 \* X - 40.  
The result in X is  
(a) 10  
(b) 40  
(c) Compile or Run time error  
(d) none of these
40. given the following piece of code:  
CALL SUB-PGM USING A, B, C.  
CALL SUB-PGM USING A, C, C.  
(a) Both CALL statements will always produce same result.  
(d) Both CALL statements may produce different result.  
(c) Compile-time error because SUB-PGM is a dataname.  
(d) Compile-time error because A, B, C are used twice.
41. The hierarchy of the execution of logical operators is  
(a) NOT AND OR  
(b) AND OR NOT  
(c) OR AND NOT  
(d) OR NOT AND
42. The order of precedence of arithmetic operators in an expression can be

overridden with the use of

- (a) []
- (b) ()
- (c) {}
- (d) Any of the above

Consider the following passage for answering questions 43 to 47.

A program is written to accept an answer to the query "enough fo the Day?"

If the respons is "N" then the program accepts quantity purchased and rate of the item and displays the amount to be collected. Then the above query is again displayed and the loop continues. At the end of the day, whe n the response to the above query is "Y", the day collections are displayed.

The program checks that the quantity purchased is between 25 and 125 and the rate of the item is between 10.00 and 75.00. If any of these two conditions are violated, the program displays an appropriate message and asks for next input. The amounts are displayed with proper editing. The program is written assuming that there can be a maximum of 1000 transactions a day.

43. How many variables would you declare for the above problem?

- (a) 3
- (b) 4
- (c) 5
- (d) 7

44. What should be the PICTURE clause of the variable used to calculat e end of the day collections?

- (a) 9(9)v99
- (b) 9(8)v99
- (c) 995)v99
- (d) Information given is insufficient to arrive at the answer

45. What should be the PICTURE clause of the variable used to calculat e to be collected.

- (a) 9(9)v99
- (b) 9(8)v99

- (c) 9(5)v99
- (d) Information given is insufficient to arrive at the answer

46. Assuming that the above program is being executed in a Department Stores in MADRAS which of the following PICTURE clause will be suitable for DISPLAYing the end of the day collections?

- (a) Z(5)V99
- (b) Z(5).99
- (c) ZZ,ZZ,ZZ,ZZ9.99
- (d) Information given is insufficient to arrive at the answer

47. How many \_\_\_\_\_ statements do you think will be there in the program?

- (a) 3
- (b) 4
- (c) 5
- (d) Information given is insufficient to arrive at the answer

48. Which of the following paragraphs is compulsory in every COBOL program?

- (a) SPECIAL-NAMES
- (b) PROGRAM-ID
- (c) FILE-CONTROL
- (d) OBJECT-COMPUTER

49. Which of the following files can be OPENed in all the 4 modes? The four

modes are INPUT, I-O, OUTPUT and EXTEND.

- (a) INDEXED
- (b) RELATIVE
- (c) SEQUENTIAL
- (d) All of the above

50. Which of the following EDITind and PICTURE symbols is to be used if a

minus(-) is to appear before the value if the value is -ve and a plus(+)

is to appear before the value if the value is +ve?

- (a) +
- (b) -
- (c) + OR
- (d) It is not possible

solutions

b,b,c,c,c,a,d,a,b,a,c,c,b,b,b,c,b,d,a,a,c,b,d,a,d,d,b,c,d,b,a,c,a,c,a,  
b

,d,

a,c,b,a,b,b,b,c,c,a,b,c,a

