IBM Aptitude Test Paper 2

1. In 1978, a kg of paper was sold at Rs25/-. I f the paper rate increases at 1.5% more than inflation rate which is of 6.5% a year, then what wil be the cost of a kg of paper after 2 years?
 a)29.12 (b) 29.72 (c) 30.12 (d) 32.65 (e) none of these

2. In A,B,C are having some marbles with each of them. A has giben B and C the same number of marbles they already have to each of them. then, B gave C and A the same no. of marbles they have, then C gave A and B the same no. of marbles they have. At the end A,B,and C have equal no. of marbles.
   (i) If x,y,z are the marbles initially with A,B,C respectively. then the no of marbles B have at the end
       (a) 2(x-y-z) (b) 4(x-y-z) etc.
   (ii)If the total no. of marbles are 72, then the no. of marbles with A at the starting
       a. 20 b. 30 c. 32

3. If a car starts from A towards B with some velocity due to some problem in the engine after travelling 30km.If the car goes with 4/5 th of its actuval velocity the car reaches B 45min later to the actual time. If the car engine fails ofter travelling
45km, the car reaches the destination B 36min late to the actual time , what is the initial velocity of car and what is the
distance between A and B in km
        ans) 20 & 130.

4. A person has Rs 100/- in his pocket, he can as 25 pencils or 15books. He kept 15% of the money for travelling expenses and purchased 5 pencils.So how many books he can purchase with the remaining money.

5. ten questions on analogies.
       ex: hammer : carpenter ::
B knife : butcher.

6. The values of shares A,B and C from january to june are as follows.B
          month   A   B   C

          JAN   30   60   80
          FEB   35   65   85
          MAR   45   75   65
          APR   40   75   82
          MAY   55   75   85
          JUNE   50   75   80

       i) During this period which share has undergone max   fluctuation?

       ii) In which month it is possible to buy B and C selling A?

       iii) In which month the share values are very low?

iv) By purchasing one share of A and 4 each of B and C in the beginningof the period , to get max profit when this shares should be sold?

v) ?

7. In a computer institute 9 languages can taught. The module is of 6 months duration and only six languages each of one month can be taught. In addition to that BASIC is always there and should be in first month itself
 # word perfect is to be taught in the preceeding week of word star.
FORTRAN can not be taught until COBAL is coarsed prior to that
BINO, FIFO never be taught in single module languages are BASIC, WORD STAR, WORD PERFECT, FORTRAN,
 COBAL, BINO, FIFO, LOTUS, C

i. Of the following which module is possible based on above conditions.

ii) If word star is in 3rd month , what could be in 6th month.

iii) If COBAL is in the 2nd month and BINO in 6th month are there in addition to the above condition, FORTRAN will be in which month.

8. In a class , except 18 all are above 50 years. 15 are below 50 years of age. how many people are there
 a) 30 b) 33 c) 36 d) none of these.

9. A square plot of some size , at four corners equal squares of some size are cut and is formed as open box. If this open box carries 128ml of oil. What is the size of the plate i.e. side
 a.17 b.14 c.13
10. In a square , all the mid points are joined. the inner square is shaded. If the area of the square is A, what is the shaded area?

11. two questions on basic angles i.e given a circle, a few chords or diameter is drawn etc

12. $@(a,b)= (a+b)/2$
  $/(a,b)= a.b$
  $*(a,b)= ab$, if a=1, b=2 find
    i) $/(a,(@(a,b),*(a,b)))$

    ii)

13. $(x\#y) = x+y-xy$
  $(x*y) = (x+y)/2$

    i) $(x\#y)\#(x*y) < (x\#y)$, which of the below values of
    x, y will satisfy this equation

    ii) $(a*b)\#(b*c)< (a\#b)*(b*c)$, what values of a,b,c satisfy the above.

14. By using the data given below answer the following questions.

B.tech M.sc M.A

male   20
female   80

        total 60
            some thing similar to that question.
            i) 40% of females are B.Techs
            ii) Half of the students are either from B.Techs of M.Scs
            iii) ...
        i. what is the no. of female B.techs
        ii....

        dont remember this question , just for an example this has been given .

        45Q). PS1   pwd
         export PS1   results in
         a). your primary prompt being your current directory
         b). "   "   and secondary prompts being the current dir
         c). "   "   prompt being your home dir
         d). "   "   and secondary prompts being the home dir
         e). None of the above.
        8Q). If you type in the command
              nohup sort employees > list 2 > error out & and log off ,the next time you log in . the
output will be
         a). in a file called list and the error will de typed in a file error out
         b). there will be no file called list or error out
         c). error will be logged in a file called list and o/p will be in error out
         d). you will not be allowed to log in
         e). none of the above
7Q). In UNIX a files i-node
        a)is a data structure that defines all specifications of a file like the file size ,number of lines
to a file ,permissions etc.
         b).----
         c). - - - --
         d). _ _ _
         (ans is ---------(a))
44Q). The UNIX shell is....
         a).does not come with the rest of the system
         b).forms the interface between the user and the kernal
         c) does not give any scope for programming
         d) deos not allow calling one program from with in another
         e) all of the above
         (ans is (b))
 48Q).enum number { a=-1, b= 4,c,d,e}
         what is the value of e ?

7,4,5,15,3
(ans is 7) check again

3Q).The very first process created by the kernal that runs till the kernal process is haltes is
a)init
b)getty
c)
d)
e)none
(Ans is a)
47 Q) Result of the following program is

```
main()
{
int i=0;
for(i=0;i<20;i++)
{
switch(i)
   case 0:i+=5;
   case 1:i+=2;
   case 5:i+=5;
   default  i+=4;
   break;}
   printf("%d,",i);
}
}
```

a)0,5,9,13,17
b)5,9,13,17
c)12,17,22
d)16,21
e)syntax error
(Ans is d)
1 Q) What is the result

```
main()
{
char c=-64;
int i=-32
unsigned int u =-16;
if(c>i){
printf("pass1,");
if(c and >>
```

a) do the same function
b) differ : > overwrites, while >> appends
c) differ : > is used for input while >> is used for output
d) differ : > write to any file while >> write only to standard output
e) None of these
Ans) b

50) The command grep first second third /usr/you/myfile

        a) prints lines containing the words first, second or third from the file /usr/you/myfile
        b) searches for lines containing the pattern first in the files second, third, and /usr/you/myfile
and prints them
        c) searches the files /usr/you/myfiel and third for lines containing the words first or second
and prints them
        d) replaces the word first with the word second in the files third and /usr/you/myfile
        e) None of the above
        Ans) b