

## IBM Aptitude Test

1. In 1978, a kg of paper was sold at Rs25/-. If the paper rate increases at 1.5% more than inflation rate which is of 6.5% a year, then what will 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 given 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  $\frac{4}{5}$  th of its actual velocity the car reaches B 45min later to the actual time. If the car engine fails after 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 15 books. 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.

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 beginning of 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.Sc
  - 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