

IBM Sample Test Paper 1

- $10^{10^{10}}$ how much time will it take to write this number, if it takes 1 sec to write 1 digit.
 - 1000 secs.
 - 10 year.
 - more than 1 million years.
 - a few days.ans. more than 1 million years.
- starting from 2 upto how many numbers we need to check whether 907 is prime or not?
- A person's age is similar to the year he was born (last two digits are counted as age). ans. 80
- What is YACC? ans. yet another compiler compiler.
- flop is a unit of ? ans. processing speed.
- ```
#define hello(x,y) printf("#expr"%d",expr);
main(){
float x=1,y=2;
expr=x/y;
hello(expr);
}
```

ans.  $x/y=1$ ;
- time and work and days. (easy questions).
- A & B fill 3 litres and 5 litres of oil in the car. C pays Rs. 8/- to A & B. How much will A get?
- A question on "set" theory. it was given that less than 30 persons in class. (Ans. cannot be determined.)
- 4 cows are there at the four corners of a square. if the radius of the rope is 1 and length of one side of the square is 14, find the area along the square which the cow cannot gaze.  
ans.  $14 \times 14 - \pi \times r^2$ ;
- Two glasses were filled with  $\frac{1}{3}$  and  $\frac{1}{4}$  milk. they were filled with water & then mixed in a tumbler. what is the percentage of milk in the resultant.
- average speed  $\frac{2xy}{x+y}$ .
- A belongs to the truther tribe "who says yes". B belongs to the liars tribe "who says no always". when A & B were asked to which group do they belong to both of them replied "yes". when a third person C was asked whether A & B belong to same group, he notified groups he answered "No". to which group do A, B and C belong? ans. LLL or LTT.
- There were three clocks they gave alarm after 24secs, 12secs and 36 secs. if they rang simultaneously at 8:20, then at what time they again rang simultaneously? (something like this

but numbers may differ). ans. 8:27:12

15. A plane starts from a place A, it goes 1000 kms south then 1000km east then 1000 km north and 1000km west, what is its distance from the starting place? ans. same starting place.

16. question on Bipartite graph(definition).

17. heap-sorting algorithm time complexity.(ans  $n \log n$ )

18. white-box testing.

19. postfix evaluation of:  $(A+B)*C$ (Ans:  $AB+C*$ )

20. question on catch-throw? c++

```
21. main(){
 main();
}
ans. stack overflow.
```

```
24. main()
{ char a,b;
printf("%d%d%d%d",sizeof('a');
sizeof(NULL),sizeof(b),sizeof(main));
}
Ans(1,1,1,2)
```

22. Five file sizes given. what should be the order of their access so that least time is taken.  
ans. least size first.

23. SQL query does what?

24.5 questions on reasoning.