

ASDC

Sample Test Paper

Section A: Aptitude

- 0.03 of 0.05 is what
 - 15%
 - .15%
 - 0.015%
 - 0.0015%
- $x < y, y < z$ and $z > w$ which of the following is always true
 - $x < w$
 - $y < w$
 - $x > w$
 - $y > w$
- 12 men can do a job in 4 hours .in wat time the same job can be done by 15 men (I did not do)
 - 3 hrs
 - 3 hrs 24 min
 - 2 hrs
 - 3 hrs 30 min
- 30 socks r there in a basket.60% are red and rest are blue. How many draws should be taken from the basket to make sure that u have 2 blue and 1 red
 - 2
 - 3
 - 14
 - 20
- When operator * is applied to a number the result is 10 subtracted from the twice of the original number ,so wat is $*(9)$
- A husband and wife has 6 sons and each has 5 children each, How many are there in the family altogether
- $3x - 2y = 8$ so what is $4y - 6x$
 - 16
 - 16
 - data not sufficient
- From chennai to trichy it is 250 miles and from Chennai to pondicherry it is 120 miles.wat percentage of mile from Chennai to trichy is Chennai to pondi
 - 34

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- b. 20
c. 36
9. City B is 8 miles east of City A. City C is 6 miles north of City B. City D is 16 miles east of city C. City E is north of City D by 12 miles .what is the shortest distance from City A to City E
10. An employer pays X,Y,Z a weekly wage of total 610. X gets 120% of Y, and X gets 80% of Z wat is the weekly wage of X I think answer is 200.
11. There are 50 employees of a company .21 were in training for both economics and science training.11 were in 2 different training programs .find how many of them do not attend any training program few questions were given with some relationship like:
1 head is to cap as finger is to
Ring
Nail
Thumb
12. In a certain code language RANGER was written as REGNAR .with the same code how is TABLE written Elbat(reverse the word)
13. In a certain code if READ is written as SEADR then how is SING written with that code SINGS
14. If kanchan is son of Sunil's son's son then how is Sunil related to Kanchan- grandson
15. Find the odd one out
a. Caution
b. Trespassers will b prosecuted
c. Only one way
d. Keep left
16. One more odd man out was asked few questions on profit and loss were asked

Technical

1. A sorting program is given .You need to print the output of every outer 'for' loop.

```
Main()
{
int n=8,l,j,k;
int a[7]={44,55,42,12,6,94,67};
for(l=0;l<n-1;l++)
{
k=l;
x=a[k];
for(j=l+1;j<n;j++)
{
if(a[j]<k)
{
k=j;
x=a[k];
a[k]=a[l];
```

```
    a[l]=x;
  }
}
```

2. The precedence of operators are given, you have to find the value highest :+ followed by -,*,/ parentheses r given higher precedence to operators unary operator '-' is always written within parentheses association is from right to left

3. Questions were given like L-Value R-Value

a) z[l+2]

b)*x

c)&x

d)&(&x)

e)

4. Assume the following:

a. A tape drive can store 4096 bytes/millimeter

b. Forgot

c. A IRG is necessary and the length is 2 millimeter

Answer the following question:

For storing 20MB how many millimeters of tape is required

What is the storage capacity if the tape is 10000meters long

For a infinite storage how many IRGs are required in a tape that stores 1 GB of data.

5. The following program is to calculate the number of lines, number of words, number of characters from file. You got to complete the C program (15 marks)

```
# define IN 1
# define OUT -----
main()
{
int nc=nw=nl= -----,state= -----,c;
while((-----=getchar())!=EOF)
{
++ -----;
if (c= = '\n')
++ -----;
if(c = = ' ' || c = = '\n' || c = = '\t')
state= -----;
elseif(state = -----)
{
state= -----;
++ -----;
}
}
}
```

