

# TATA ELXSI

## **Off Campus Written Test at Tata Elxsi office ] July 23 - 2003**

Test was in white field office Bangalore, not in I Office.

There are basically 2 papers : 1. Technical (30 q minutes)

2. Aptitude (30 que minutes)

There will be different technical test for EC and C

EC :: digital ckt, op-amp, analog, commur

CS :: OS, Sys-software, C/C++ etc

Apti is same for all :: Refer R S aggarwal pipe an train and some other etc.

The selection criteria for interview was top score:

Technical test...If tech score matches then on apt:

Interview is :: 1. Projects

2. Some electronic ckts, op-am

## **Some Questions of Tata Elxsi (E&C)**

1. Basic memory cell of dynamic RAM

a. Capacitance

b. Flip flop

c. Transistor

d. Transistor with Capacitor

2. Ideal Power Supply has

a. Zero internal resistance

b. High O/P resistance

c. High I/P resistance

d. Low O/P resistance

3. Which type of transmission line will have max. characteristic impedance

a. Open Wire line



b. Coaxial Cable

c. Twin lead line

d. None

4. For same peak value of current, which waveform has the least RMS value

a. Sine

b. Square

c. Triangular

d. Full wave rectified wave

5. F-V analogy displacement is analogous to

a. Voltage

b. Conductance

c. Magnetic Flux Linkage

d. Capacitance

Similarly.....In F-I analogy displacement is

a. Charge

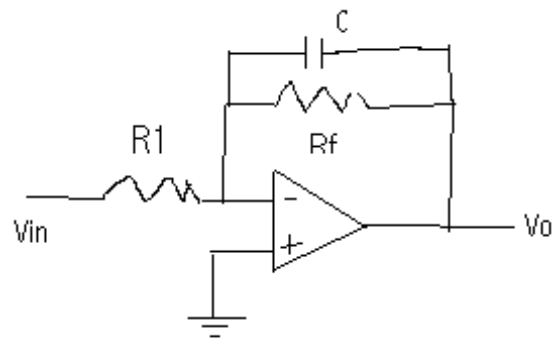
b. Resistance

c. Inductance

d. Current

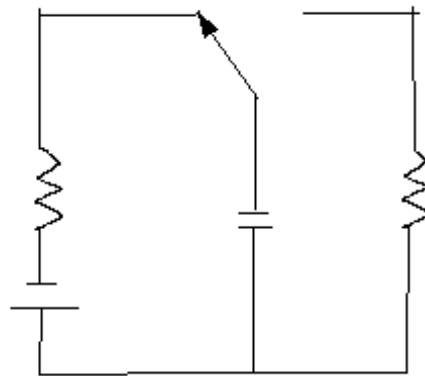
6. In the following circuit  $V_o/V_{in} =$  (there were





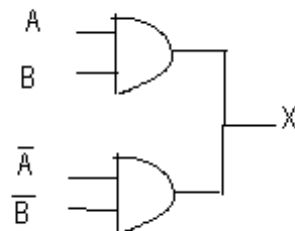
7. In the following circuit the charging and disch:

(i don't remember the options)



Dont remember the values of other resis and capacitance. But some value was giv

8.The output at X acts as....



- a. OR gate
- b. AND gate
- c. XOR gate
- d. XNOR gate



9. The CRO in X-Y mode gives the following signal applied to the

Y-plate is  $2\sin(\omega t)$  then the signal applied to is

- a.  $2\sin(\omega t)$       b.  $2\sin(\omega t + \pi/4)$       c.  $2\sin(\omega t)$   
d.  $2\sqrt{2}\sin(\omega t + \pi/4)$

