

Placement Papers: ISRO Paper on 22nd Apr at Delhi

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hello friends, i appeared for ISRO written examination on 22 April, 2007 for the post of Scientist Engineer.

paper was totally technical. Questions which i remembered are as follows:

1. output resistance of ideal OP AMP is:

- a. 0
- b. 1
- c. infinite
- d. very high ANS: 0

2. waveguide acts as:

- a. LPF
- b. HPF
- c. BPF
- d. BRW ANS: HPF

3. quality factor of series RLC ckt. Increases with:

- a. increase in R
- b. decrease in R
- c. doesn't depend on R
- d. none of these

ANS: Decrease in R.

4. energy stored in capacitor is given by:

- a. CV
- b. 0.5CV
- c. CV²

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d. $0.5CV^2$

ANS:

5. CMRR of an OP AMP is given as 80db and A_d is 20000. Value of A_{cm} will be:

a. 4

b. 8

c. 2

d. 1 ANS: 2

some basic questions were based upon digital electronics, ckt. Analysis, antenna theory, zener diodes.