

## NTPC Paper Technical - Mount Carmel School, New Delhi - 22 April 2007

**Paper Type** : Technical - Other

**Test Date** : 22 April 2007

**Test Location** : Mount Carmel School, New Delhi

HELLO frns

I am giving u the paper minutes of NTPC exam on april 22 ,2007 b'cz I have faced the problem of non availability of any pattern or sample questions .It was really an easy paper so the cut off marks r really high. It constitutes of 170 questions (120 tech + 50 apti) in 2hrs.

For tech part the syllabus is same as of the GATE and for apti part R.S.Agarwal is more than sufficient. As time duration is very short so time management is very important.

### APTITUDE SECTION

For this section no special attention is required only rs aggarwal is enough and it also has easy level of English section.

### TECHNICAL SECTION

For this section u have to b good in the basics. No hard question were asked but u should b careful about your time . It has also some part of very basic general knowledge. The questions were from following topics

10-12 q about microprocessor(8085)

3 q abt RS232 standard

7-10 q of GK

4-6 q of opamp

10-15 q of digital comm.

2-5 q of microwave

15-20 q of analog devices

20-23 q of digital electronics(flip flops,gates,mux,no system etc)

1 q of ISO OSI model

5-8 q of control system

10-12 q of signals and their processing

### SOME QUESTIONS WHICH I MANAGE TO REMEMBER

passage for comp

word meaning based (antonym and synonyms) fetter, fester, lucid, anomaly, elucidate etc

word analogy based

what is a tunnel diode

wht is a zener diode

effect of + and - feedback on stability

composition of gohar gas

function of differential in the vehicle

function of stack register

fun of instruction pointer

fun of rst6,5,7,5

wht is an interrupt

output vtg calc on op amp

how a pulse train can b generated using registers

conversion of oct to hex,hex to binary

fun of quantizer in pcm

why fm is less prone to noise

fun of limiter in detection of FM

wht is envelop detector

phase shift of  $1/s^2$

signal limited to 1000 hz sampled at nyquist rate.quantizer has 128 level .calculate the bit rate of the system.

1.5 V battery supply same power to R1 and R2 separately( $R1 > R2$ ).calc the internal resistance of battery

a wire is cut in two halves. one half is again stretched to th twice of length .calc the resistance.

thanks

Regards,

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