NTPC Paper Bangalore NTPC Paper Bangalore Pattern 120 question technical 50 Aptitude Weightage of subjects as follows Techni cal Instrumentation----15-20 question Communication ----- 15-20 Control systems -----15-20 Mi croprocessors8085 ---4-5 Digital electronics -----9-11 Signal systems ----- 3-4 El ectroni cs -----13-15 Apti tude English ----20 Quant----20 Reasoni ng---10 Question which I remember as follows Techni cal 1)Gain bandwidth product of 2 stage CE amplifier compared to single stage b). Lesser a). greater c). same etc 2)Early effect in transistor leads in a). Fast switch b). slow switch etc 3)MOSFET acts as a a). Resistor b). inductor c). capcitor etc 4)Normal PH is c)5 etc a)7 b)2 5)Gave number of bits as 8 and max voltage as 100V asked to calculate resolution 6) strain guage working principle a). resistor c). capacitor etc 7)Class AB property a). More efficiency b). avoids crossoverdistrotion 8)3-4 problems related to oscilloscope 9)Gave a simple block diagram asked to find TF 10)Gave discrete sequence asked to calculate DFT 11)x(at)----Ztransform--a)1/aX(z/a) etc 12) Peak overshoot 100% calculate damping factor a)0.707 b)1.732 c)0.5 etc 13) gave transfer function asked to calculate phase crossover frequency 14) If modulating frequency doubles then BW of FM becomes a). twice b). half c). same etc

15)Gave unmodulated carrier power and modulated carrier power asked calculate modulation index

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3)Bar graph given asked to find several things4)Puzzles related persons going to different offices5)Words coding etcThat's all I remember All the Best