

ONGC placement paper

Went through ONGC paper...there are few questions that i remember. Objective type questions : 150 (75 Technical and 75 GK).

Marking in GK each ques is of 1 mark and in Technical each ques half mark. Most of technical questions comes from NON-INSTRUMENTATION subjects like microprocessors,, microcontrollers, optical fiber , communication etc.

- o no of timers of 8051.
- o no. of interrupts of 8051 excluding reset.
- o Addressing mode of SHLD 2050H.
- o MN/MX pin - multiprocoessor mode.
- o why twisted pair of wires is used in instrumentation ?
- o clock frequency of 8051 microcontroller.
- o cheapest instru-- PMMC, EDM, rectifier, thermocouple.
- o numerical on resolution of ADC
- o numerical on total power transmission in AM
- o interrupt controller
- o dummy strain guage
- o numerical on PCM.
- o materials of core and cladding
- o optical fiber losses.
- o numerical aperture
- o no of comparators in flash converter.
- o potentiometer : it is null or deflecting instrument
- o difference between null and deflecting instrument.
- o is multiplexing used in 8085 or not ?
- o 3-4 questions on optical fiber : data based.
- o calibration of instruments.
- o capacitive transducer : dielectric type.
- o mod 6 counter : no. of FF used.
- o 3-4 ques of instrumentation : data based.

In GK they ask history, economics, current affairs, and ques related to famous personalities. few ques i remember.

full form of DRDO, NISSAT.

- o which letter in computer keyboard comes after Q ?
- o who starts golden quadrilateral project ?
- o which country never wins bookers prize ?
- o pulizter prize : related to which country ?

2-3 ques on GDP growth rate ?

what is present share of service industry in GDP ?

4-5 questions on simple reasoning.

which of the indian govt. bodies decides the electoral of parliament ?

No confidence motion is decided by ?

Powers of president , and chief justice of india magasayay award: related to which country.

Alongwith these there are subjective questions...

GK

Short note on RED CROSS and SAARC : both 5 marks each and u have to write about 100 words Essay on RABINDRANATH TAGORE or BHARAT RATNA (7 marks)

Technical

3 ques 5 marks each.

- numerical on viscosity measurement
- numerical on efficiency of Class B amplifier
- CE configuration with voltage divider bias is shown. No resistance values given. Capacitors are connected in input and RE resistor. now u have to find out o/p voltage/

questions of 10 marks

- problem of control system. calculation of rise time, peak time, overshoot. (calculator is not allowed in exam)
- problem of convolution in DSP.