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First 120 question on technical and 50 questions on general aptitude.

1/3 negative marks for all the questions.

2 hours exam.(No calculator allowed)

Written - 85% weightage

GD-5%

PI-10%

Thr is -ve marking of 1/4

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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.Aggarwal is more than sufficient. As time duration is very short so time management is very important

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

14-15 ques on thermodynamics

8-9 ques on dynamics of machines

5-6 ques on machine desine

10-11 ques on turbines

7-8 ques on heat transfer

5-6 ques on operation research & management

8-9 ques on fluid mechanics & machines

thermal and heat transfer
mechanics of solid /SOM
mechanics of fluid/FOM
formulaes

many q on heat transfer through cylinder, wall, sphere

mohr circle,eq. bending formulae,

viscosity, mach no.etc.,surface tension turbine and pumps -specific speed and unit

OR-

CPM pert formulae time, crash cost

MCTD

taylor eq.n, ortho gonal cutting

Auto /engine

knocking , cycles, SI engine ,CI engine

Tom

max acc of piston, unbalancing force primary n secondary, isolation factor

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APTITUDE SECTION

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

About aptitude:

synonyms

antonyms

comprehension passages

aptitude problem solving skills(train probs,loss profit sums,ratios,etc.)

word analogies

fill in the sentences with the most suitable word type of questions.

Tips:Time management is very important.Since most of the technical questions are theoretical,complete them quickly and do well in the aptitude section.

Individual cut off in each of the 2 sections is necessary.

i don't know the actual cut off though.

50 ques.n : It was simple the quesns frm percentages, work time i guess who hv gvn the paper of CAT 4 them it would be simple there was nothing to prepare

INTERVIEW

1. Tell me about yourself, [your family](#) background and your academic details.
2. Any co-curricular activity?
3. If you were given opportunity to go abroad will you accept it?
4. What subjects you have read in these six semesters?
5. What is the role of electronics and communication in Power Plants?
6. What are Transducers?
7. How will you measure and display the temperature of a body?
8. What should be the capacity of the device you are using for measurement?

The interview lasted for around 10-15 minutes
