ANALYSIS OF GATE-2014 QUESTION PAPERS

The flowing are the changes made in GATE-2014 Examination Based on the student test experience

1   GATE-2014 exam has been conducted in 4 sets of each paper

2   The questions were different in each session

3   The level of questions were also different from session to session

4   GATE cut-off marks may very between 27-30 marks(general category)

5   Numerical Question are major role in all papers

6   The numerical Question can be solved Based on Formula,

7   50% of the Question are problems only,

8   Due to Numerical Questions, students are confused while Answering,

9   Due to more Numerical Question The time management is major role,

10   More no of Questions are based on in depth knowledge of Basics.

The weightage of the subjects as shown below based on sets.

Electronics and communication engineering:-

We found in one of the set equal weightage for all subjects. Paper was easy, even an average student can get a score of minimum 40 marks. Paper contained only basic questions.

Digital, Electronic & devices circuit , Electro-magnetic field theory part can be scored well.

Aptitude and maths can scored full

In another set almost 20 questions on EDC and ANALOG, around 12 questions of 2 marks and remaining 1 mark questions. Control systems there was 7 to 8 questions in that 4 questions of 2 marks and remaining 1 mark questions. Networks was having less ratio of questions like 3 of 2 marks and 1 of 1 marks. Communication systems were having 5 to 6 questions it was 2 mark questions. EMFT was having 5 to 7 questions in that 4 of 1 mark questions and 2 questions was having 2 marks,then MATHS was around 12 to 14 marks

In another set we found control systems 1 question, networks 3 questions ,from microprocessor no question communication were 12 questions.

In last set can give approx marks distribution for EMFT about 12 marks, Analog 11-14 marks, Controls 9-12 marks ,communication 10 marks, Digital and signals and systems 6 marks each , Networks less than 10 marks(9-10)only, and Maths Aptitude 15 marks each.

Electrical engineering:

In one set we found **Analog , powersystems and signals and systems** more no of weightage

And one more set from Machines subject more no of questions asked and then power systems around 15 marks ,measurements around 14 marks, power electronics 3 questions ,from Digital less no of questions around 2-3 Microprocessor 2 questions and Maths & Aptitude around 15 marks each

Mechanical engineering:

The questions of [Gate-2014](#) mechanical are based on fundamental and concept of the syllabus.

In one set Aptitude 15 marks, maths 8-10 marks, engineering mechanics no question, strength of material 6 marks, theory of machinery 10 marks , vibrations 4 marks, design 4 marks, fluid mechanics 4 marks, heat transfer 7 marks, thermodynamics 2 marks, production around 6-7 marks inventory and operation research around 10-12 marks .

In another set Aptitude 10 marks, Maths 2-4 marks, Engineering mechanics 3 questions, strength of material 2 questions, theory of machinery 1 question, vibrations 3 questions, design 1 question, fluid mechanics 4 questions, heat transfer 2 questions, thermodynamics 2 questions ,production around 5 questions inventory and operation research around 2-3 questions.

In another set Aptitude 15 marks, Maths 12 marks, Engineering mechanics 2 marks, strength of material 5 marks, theory of machinery 4 marks , vibrations 4 marks, design 4 marks, fluid mechanics 6 marks, heat transfer 5 marks, thermodynamics 8 marks, production around 12 marks inventory and operation research around 8 marks .

Chemical engineering:

In this paper we noticed more no of questions from Process dynamic and control, heat transfer. Aptitude around 15 marks, Maths was very little(hardly 8-10 marks) and there were no linked and common data questions

Computer science & information technology:

In one set Aptitude around 14 marks, maths & discrete maths 13 marks, digital logic 2-3 marks, computer organization 8-10 marks, c&ds algorithms 8-10 marks, theory of computation 8 marks, compiler design 3 marks, operating systems 6 marks, database management systems around 4-5 marks, computer networks 4 marks, software engineering 1 mark and web technology 2 marks.

In another set Aptitude around 15 marks, maths & discrete maths 12 marks, digital logic 2-3 marks, computer organization 4 marks, c&ds algorithms 10 marks, theory of computation 9 marks,

compiler design 4 marks, operating systems 6 marks, database management systems around 6 marks, computer networks 8 marks, software engineering 2 mark and web technology 2 marks.

In another set Aptitude around 12 marks, maths & discrete maths 15 marks, digital logic 2-3 marks, computer organization 8 marks, c&ds algorithms 12 marks, theory of computation 6 marks, compiler design 4 marks, operating systems 8 marks, database management systems around 7 marks, computer networks 6 marks, software engineering 0 mark and web technology 1 marks.

Civil Engineering:

This exam is conducted in two sessions i.e. morning session and afternoon session. The question papers of both sessions are different. The difficulty level of questions are nearly same. The morning session paper seems to be little easier than afternoon session.

In this paper we noticed maths around 10 marks, aptitude 14 marks, strength of materials 6 marks, structural analysis 3 marks concrete structure around 6 marks, steel structure 4 marks, geo technical engineering around 8 marks, fluid mechanics 8 marks, hydrology 2 marks, irrigation 4-5 marks, water resource engineering around 6 marks, environmental engineering around 10 marks, transportation engineering 6 marks and surveying 4 marks.

Srinivasulu reddy

(Managing director)

VANI GROUP OF INSTITUTIONS