

QUESTION PAPER ANALYSIS - JEE MAIN 2016

(PEN -PAPER EXAM 3rd APRIL 2016)

The most prestigious Entrance Exam of Engineering, JEE Main 2016 in pen-paper mode has been conducted on 3rd April 2016 (Sunday) from 09.30 am to 12.30 pm across the nation.

4 codes distributed to the students E, F, G & H respectively.

Number of questions in the paper was 90 (30 Questions each in Physics, Chemistry and Maths) and Total Marks was 360 with 1/4th negative mark for each wrong answer.

Detailed solution of code-E and answer key of all the codes are available on www.careerpoint.ac.in

Overall Analysis of Question Paper

- Chemistry and Maths paper were low scoring compared to previous years.
- Physics paper was tedious as well as lengthy.
- Paper consisted of few questions with insufficient data.
- This year's paper can be said a little challenging if compared to last year JEE Main exam.
- **This paper shows that JEE MAIN and JEE Advanced are two different exams as JEE MAIN needs high speed, accuracy and some factual information while JEE Advanced needs in depth knowledge of subject matter.**
- **Considering all these facts, cut off marks in this paper is expected to be lower than that of previous year.**

Subject Wise description of question paper

PHYSICS

- Some questions are repeated as it is from previous year's papers.
- Some questions are simple conceptual questions but lengthy in calculation.
- Paper has few questions with more than one answers & improper language which may confuse students.
- 53% questions are average, 37% are easy & 10% questions are difficult.
- Overall paper was easy as compared to previous year papers.

CHEMISTRY

- Physical & inorganic parts were quite similar to the previous year paper.
- Organic part was difficult due to fact based questions.
- Two questions of physical part contain insufficient & incorrect data.
- All the topics are as per the NCERT syllabus.
- The questions of environmental chemistry require standard data of water pollution.
- Overall chemistry paper is low scoring as compared to previous year papers.

MATHEMATICS

- In comparison to the previous Year Paper Complete mathematics paper was above average.
- Some of the questions were very lengthy and tough.
- One of the questions from Binomial theorem was fundamentally wrong.
- Equal weightage was given to XI & XII Part.
- Overall paper was low scoring Paper.

QUESTION PAPER ANALYSIS (SYLLABUS FROM CLASS 11 AND 12)

TYPE	PHYSICS		CHEMISTRY		MATHEMATICS	
	Class 11 Syllabus	Class 12 Syllabus	Class 11 Syllabus	Class 12 Syllabus	Class 11 Syllabus	Class 12 Syllabus
Total Que	13	17	12	18	15	15
Marks	52	68	48	72	60	60
% Marks	43%	57%	40%	60%	50%	50%

UNIT WISE DISTRIBUTION TABLE

PHYSICS						
Topic	No of Que	%age Portion	Very Easy	Easy	Average	Difficult
Mechanics	8	26.7%	0	1	6	1
Heat	3	10%	0	1	1	1
Waves	2	6.7%	0	1	1	0
Electrodynamics	8	26.6%	2	2	4	0
Optics	3	10%	0	0	2	1
Modern Physics	6	20%	0	4	2	0
CHEMISTRY						
Topic	No of Que	%age Portion	Very Easy	Easy	Average	Difficult
Physical	10	33.33%	0	4	3	3
Organic	10	33.33%	0	2	5	3
Inorganic	10	33.33%	0	2	6	2
MATHEMATICS						
Topic	No of Que	%age Portion	Very Easy	Easy	Average	Difficult
Algebra*	10+1	36.66%	1	3	2+1	3
Coordinate	5	16.66%	0	1	3	1
Calculus	9	30%	0	1	5	3
Trigonometry	2	6.6%	0	1	1	0
Vector-3D	3	10%	0	0	2	1

*One Question Bonus in Algebra (Binomial Theorem)