

A COMPARATIVE STUDY ON ATTITUDE OF CLASS 12TH SCIENCE STUDENTS TOWARDS JEE AND CET FOR SEEKING ADMISSION TO ENGINEERING STREAM.

Author:

Dr. Basavantgoud v patil
HOD dept. of chemistry
Chandrakant patil P U college, kalaburagi
(Karnataka)

Introduction:

Engineering professional education is the activity of knowledge and principles to the professional practice of engineering. It includes an initial education (bachelor's and/or master's degree), and any advanced education and specializations that follow. Engineering education is typically accompanied by additional skills and supervised training as the requirements for a professional engineering license.

Important mission for an engineering school is that the preparation of its undergraduates for their careers. In today's rapidly evolving engineering landscape, we have an increased obligation to transform the undergraduate educational experience from the traditional pedantic curriculum in explicit disciplines to a broader foundational experience for life-long success.

Engineering, by its very nature, requires its practitioners to continue learning new things long after their formal education ends. This has never been more true than today, when we can see an accelerated pace of engineering innovation continuing for decades.

At the College of Engineering, we're taking on that challenge by broadening the education of our students. While mastery of the technical aspects of engineering must remain at the curriculum's core, we need to add new dimensions that will better prepare students for the world of today and tomorrow.

Many schools and colleges training their students that how to face entrance examination for getting admission to various prestigious institutions in India and abroad. Some of the institutions offering admission to engineering under management quota but cost of buying will be bit costlier and in order to get admissions in reputed institutions students of class 12th need to face entrance test like JEE (Joint Entrance Exam) conducted by NTA (national testing agency) and it is a national entrance exam and CET (common entrance test) conducted by KEA (Karnataka examination authority) and is Karnataka state level and like many more entrance test are conducted by various states and institutions.

As this article is restricted to only JEE and CET, IIT JEE exam which consists of JEE Main and JEE Advanced is one of the most important entrance exams for engineering aspirants. The exam is held for candidates who are aspiring to pursue a career in the field of engineering and technical studies. Besides, the JEE exam is the gateway to some of the various prestigious engineering colleges (both government and private) in India. Those who qualify the JEE Main exam will be eligible to seek admission in some of the top colleges as these institutions accept the scores of the exam. Those who qualify JEE Main will further be eligible to appear for the second round of the exam which is JEE Advanced. Those who finally get success in JEE Advanced will get admission in the IITs.

JEE Main is a national level entrance exam that is held twice in a year by NTA (National Testing Agency). It consists of three papers – Paper I for B.Tech/B.E., Paper 2 is for B.Arch, and Paper 3 is for B. Planning. The exam is held in an online mode in two shifts (Morning and Afternoon shifts). However, paper 2 is held in offline.

The syllabus for JEE is normally designed or is based on the syllabus of the class 11th and 12th of NCERT. JEE is one of the most difficult engineering entrance examinations not only in India but in the world. The JEE syllabus is vast and questions that are asked in the exams are very tricky. Students have to be academically strong and develop adept problem-solving skills to crack JEE.

lot of hard work and dedication is demanded to crack this exam. JEE Main Paper 1 will be available in 13 languages, including English and Hindi. For paper 1, each subject consists of 20 Multiple Choice Questions (MCQs) and 10 Numerical Value Questions, and out of 10, only 5 questions are compulsory as per the JEE Main exam pattern.

The candidates will be awarded four marks for every correct answer while there will be a negative marking of one-fourth mark for every wrong answer.

Karnataka Common Entrance Test (CET) is a state-level examination conducted by Karnataka Examination Authority (KEA) for admission to engineering, Pharmacy, and agriculture courses into various colleges/institutions in Karnataka State. Candidates who pass this examination will be admitted to various government and private colleges throughout the state. KEA sets some eligibility criteria which need to be fulfilled for admission into the colleges under it. Candidates must have completed 2nd PUC/12th Standard or an equivalent examination with a minimum of 45% Marks in Physics and Mathematics along with Chemistry/ Biology/Biotechnology/Electronics/Computer with (40% for the reserved category). Candidates waiting for the results of their qualifying examination in are also eligible to apply.

It is not mandatory to appear in the CET exam to be eligible for admission into Karnataka engineering colleges.

The syllabus for CET is normally designed or is based on the syllabus of the 1st and the 2nd PUC (Pre-University Course) prescribed by the Department of Pre-University Education of Karnataka. CET Exam Pattern will be conducted in an offline mode which is basically a pen and paper mode with OMR sheets. The questions asked in the exam will be of objective type, and there will be no negative markings. Total number of Questions will be 180 (Physics: 60, Chemistry: 60, Mathematics: 60 Or Biology: 60) Objective Questions of 180 Marks for each right answer one mark and no negative marking, Time Duration of 80 minutes for each subject in kannada and English language.

Students applying for engineering courses have to write the entrance exam based on Maths, Physics, and Chemistry. Comparatively less competition, since the exam is state level.

In the counselling process of the colleges that give admissions based on the marks secured in the JEE Mains. However, aspirants eager to pursue their engineering career in the top engineering colleges in Karnataka can also apply for the state-based examination - KCET.

The counselling process requires candidates to be sure of their college preference. Under such circumstances, it is imperative to take into account a few things that they will need to remember while enrolling in their preferred engineering college in Karnataka.

Top colleges of Karnataka that offer admission via the JEE Main marks

National Institute of Technology Karnataka (Surathkal), CMR Institute of Technology (Bangalore), BVV Sangha's Basaveshwar Engineering College (Bagalkot), Indian Institute of Information Technology Dharwad, Dr Ambedkar Institute of Technology (Bangalore), PES University (Bangalore), KLE Technological University (Hubballi), ACS College of Engineering (Bangalore) Presidency University (Bangalore), AMC Engineering College (Bangalore) .

Objectives of title:

- To study the interest of students towards engineering education.
- To study attitude of students towards JEE and CET.
- To compare interest towards JEE and CET
- To compare interest of girls and boys towards JEE and CET.

Methodology:

In order to study above cited objectives, a survey method employed in Chandrakant patil P.U. college, kalaburagi (Karnataka) by taking 50 (25 boys and 25 girls) students of class 12th science, who were aspirants of engineering.

A questionnaire designed to undertake survey and standardized by the author by hit and trial method. A tool consists of 25 statements with ratings and instruction was given how to use tool effectively.

Analysis and interpretation of data:

After careful analysis of collected data, it was found that, all students who were selected as a sample are aspirants of engineering and are committed to write entrance test and are solely dedicated for the preparation of entrance examinations. Engineering education is typically accompanied by additional skills and supervised training as the requirements for a professional engineers they are motivated and its their passion to get admitted to stream of engineering.

It was found that most of the students interested in appearing CET and JEE and also to appear for other entrance tests conducted by various organizations in India and abroad. As test makes their career in

engineering which saves their money, as they have to spend money for getting admissions under management quota.

Students gave different opinion about JEE and CET, among 50 samples 21 are completely dedicated to JEE mains conducted by NTA because these student are not only interested to take admission in state and national institute of technology but also interested in joining IIT's. Remaining students expressed their opinion that JEE examination happens to be toughest examination as compare to CET.

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No negative marking, Time Duration of 80 minutes for each subject in kannada and English language.

Comparatively less competition, since the exam is state level.

But, on other hand JEE, JEE syllabus is vast and questions that are asked in the exams are very tricky. Students have to be academically strong and develop adept problem-solving skills to crack JEE.

lot of hard work and dedication is demanded to crack this exam.

JEE Main Paper 1 will be available in 13 languages, including English and Hindi.

For paper 1, each subject consists of 20 Multiple Choice Questions (MCQs) and 10 Numerical Value Questions, and out of 10, only 5 questions are compulsory as per the JEE Main new exam pattern.

The candidates will be awarded four marks for every correct answer while there will be a **negative marking** of one-fourth mark for every wrong answer.

In comparison with boys girls are more interested towards CET and JEE. Among 25 girls only six girls are interested to write JEE and also CET. Remaining girls interested in CET.

Conclusion:

Youths are more fascinating towards engineering carrier, as there is huge demand for meritorious students in various sectors. In order to get seat in reputed and prestigious intuitions students need to write entrance exams like JEE, CET and many more which are conducted by various organizations. Even without JEE and CET students get engineering seats some institutions under management quota.

As this article revels at comparison between attitude of students towards CET and JEE, CET happens to be easier than JEE but in order to get seat in national institutes of technology students needs write JEE.