

# **CAREERS 360**

## **PREPARATION** **Series**

### **KCET 2025**

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# **Preparation Tips**

# Introduction

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**K**arnataka Common Entrance Test (KCET) is a state-level entrance test conducted by Karnataka Examination Authority (KEA). Every year, thousands of students appear for the KCET. It is meant for aspirants who want to get admission to undergraduate engineering courses in state and private institutions. The candidates are expected to be prepared based on the Physics, Mathematics, and Chemistry textbooks of the PUC syllabus. Consistent effort and a well-planned study strategy are required to be able to crack the KCET. Here, Careers360 presents this e-book that provides you with tips to prepare for KCET.

Thousands of engineering aspirants will be appearing for KCET seeking admission for undergraduate engineering programmes in government and private institutions in Karnataka. To be the successful one in the cohort of students who cracked KCET, you have to prepare well, devoting more time and putting in a great deal of effort. KCET demands both hard work and smart work. As most of the KCET candidates may have the habit of hard work in hand, they also need to be fully equipped with knacks and strategies. A couple of useful tricks and tips are below.

# Know KCET Syllabus Better

For better preparation for KCET, the candidate must have understood the KCET syllabus completely. It is one of the important aspects of the strategy to crack KCET. This will help the candidate come up with a well prepared preparation and study plan. The syllabus for KCET will be from units from the Pre-university Course(PUC 1st & 2nd year) Physics, Chemistry, and Mathematics syllabus prescribed by the Department of Pre-University Education of Karnataka State. To strategize for exam preparation, candidates can check the complete syllabus for the examination through the website of the authority. Categorizing and segregating the KCET syllabus effectively could be very advisable to get to know the syllabus deeply. Segregation strategy could be implemented in different terms :

- Divide the PUC syllabus into the Class 11 syllabus and Class 12 Syllabus.
- Divide the topics into “Don’t Know- have to learn” or Weak and Strong.
- Divide topics from the KCET syllabus into easy, tough, and very tough make a plan accordingly.
- Check weightage-wise topics and segregate them in the preparation plan accordingly.

KCET Syllabus		
Chemistry Syllabus	Mathematics Syllabus	Physics Syllabus
<ul style="list-style-type: none"> <li>• Some Basic Concepts of Chemistry</li> <li>• Structure of Atom</li> <li>• Classification of Elements and Periodicity in Properties</li> <li>• Chemical Bonding and Molecular Structure</li> <li>• States of Matter: Gases and Liquids</li> <li>• Chemical Thermodynamics</li> <li>• Equilibrium</li> <li>• Redox Reactions</li> <li>• Hydrogen</li> <li>• s-Block Elements (Alkali and Alkaline earth metals)</li> <li>• Some p-Block Elements</li> <li>• Organic Chemistry-Some Basic Principles and Techniques</li> <li>• Hydrocarbons</li> <li>• Environmental Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Algebra</li> <li>• Analytical Geometry</li> <li>• Trigonometry</li> <li>• Calculus</li> </ul>	<ul style="list-style-type: none"> <li>• Physical World and Measurement</li> <li>• Kinematics</li> <li>• Laws of Motion</li> <li>• Work, Energy, and Power</li> <li>• The motion of System of Particles and Rigid Body</li> <li>• Gravitation</li> <li>• Properties of Bulk Matter</li> <li>• Thermodynamics</li> <li>• Behavior of Perfect Gas and Kinetic Theory</li> <li>• Oscillations and Waves</li> </ul>

# Go through the KCET Exam Pattern

While preparing for the exam, it is wise for candidates to go through the exam pattern of KCET. This will help them to understand what to expect in the exam and the marking scheme. The KCET exam pattern has various details regarding how the examination will be conducted such as duration, type of questions, marking scheme, and more. Thus, having a good understanding of it will help the candidates understand the particulars and make preparations accordingly.

KCET Exam Pattern	
Particulars	Details
Level of Exam	State Level Entrance Test
Exam Mode	Offline (Pen and Paper Based)
Exam Duration	1 Hour 20 Minutes per paper
Medium of Paper	English and Kannada
Papers	<ul style="list-style-type: none"> <li>• Paper 1: Mathematics</li> <li>• Paper 2: Physics and Chemistry</li> </ul>
Number of Questions	<ul style="list-style-type: none"> <li>• Physics-60</li> <li>• Mathematics-60</li> <li>• Chemistry-60</li> </ul>
Total Number of Questions	180
Type of Questions	Multiple Choice Questions (MCQs)
Total Marks	180
Marking Scheme	1 Mark for each correct answer
Negative Marking	There will be no negative marking

# Best Books For KCET

As a large number of students appear for KCET every year, they all always seek the best reference and preparation books. Referring to the dependable books can help candidates to increase the chances of cracking KCET. The following books will definitely help candidates to be prepared well:

- Previous Year's Solved Papers Karnataka CET Engineering Entrance by Arihant Publications
- Karnataka CET Explorer - Engineering by MTG Editorial Board
- KCET Chapterwise Previous Questions with Solutions by Annapurna Experts.

**The following books are subject-wise references:**

KCET Syllabus		
Best Books for Physics	Best Books for Chemistry	Best Books for Maths
<ul style="list-style-type: none"> <li>• NCERT books of Class 11 and 12 for Physics</li> <li>• Physics for Karnataka CET and COMEDK</li> <li>• Physics for 1st Year PUC by AS Govind</li> <li>• Physics for Karnataka CET and COMEDK by K. L. Gomber and K. L. Gogia</li> <li>• Fundamentals of Physics by S Chand</li> <li>• Pradeep's Fundamental Physics (Class 11 and 12)</li> </ul>	<ul style="list-style-type: none"> <li>• NCERT books of Class 11 and 12 for Chemistry</li> <li>• Modern's Abc of Chemistry, Part 1 and part 2 by S.P.Jauhar</li> <li>• Chemistry for 1st Year PUC by Prof. Somashekara Prasad</li> <li>• Pradeep's New Course Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• NCERT books of Class 11 and 12 for Mathematics</li> <li>• CET by Bosco</li> <li>• MCQ by Asit Das Gupta Mathematics by Dinesh</li> <li>• Mathematics for 1st Year PUC BY Dr. PG Umarani</li> </ul>

## Make A Balanced Schedule For The Study And Follow It Strictly

After understanding the syllabus and exam pattern thoroughly, plan a balanced schedule for the study accordingly. Most importantly, ensure that you adhere to it very strictly. Divide the plan in such a way that equal focus is given to all the subjects. Try to understand which subject or areas you are weak and strong in; devote more time to the areas you are not feeling confident about. Depending on the difficulty level of the chapter or the topic, a candidate must decide for themselves in how many days they will be able to finish it. Before proceeding towards the new topic, candidates must ensure that they finish the previous one. Revise thoroughly as it will prove fruitful for the candidate a month or fortnight before the exam. Also, make sure that study plan carries the schedule for revision as well.

## Prepare Short Notes

Candidates must note down all the important notes in one place and revise them regularly. The prepared notes will be very helpful for the candidate at the time of revision.

If candidates have their short notes ready they can take the revision at any given point in time. Moreover, short notes will help in memorizing the concepts and formulas more clearly.

## Revise Thoroughly

Revising what the candidate has studied is another important KCET preparation tip. The prepared short notes will be very handy in revision. This process of thorough revision will enable the candidates to be able to recollect at the time of the entrance exam whatever they have studied. Earlier also, while they are preparing, they will get an idea of what is difficult for them to recall.

## Mock Tests And Previous Year Question Papers

Attempting mock tests and solving the previous years and sample papers could boost the confidence level and increase the understanding of the nature of questions. The more you practice, the better you are equipped to appear and crack KCET. This process will be very useful in understanding the question paper better and in accelerating the capacity and the technique to solve a problem. Attempting mock tests and going through the previous question papers will help to improve the speed and accuracy and know the trend of questions respectively. Take as many mock tests as you can and solve as many previous years' question papers as you can because they are proved to be essential as learning the syllabus.

## Stay Away From Social Media; Stay Focused

Social media is addictive, bringing a lot of distractions. This includes even WhatsApp. You could go on with just chatting on it; but, ensure that you are not sticking to it a long while. Similarly, keep the negative thoughts at bay as well as the comparison between you and other candidates. These factors will affect your confidence and mood level. Keep in mind that if you aspire hard to crack KCET and put enough effort into it, you will be successful in your venture.

## KCET Exam Day Tips

- Find your exam centre a day before to check the location of the centre.
- Keep your exam kit (hall ticket/admit card, Photo ID, pen, etc) ready one day before the exam to avoid misplacing or forgetting them.
- Ensure that you get a good night's sleep before the exam day.
- Do not stress about the result of KCET during the exam. Instead, take one question at a time and try to solve it.

# Thank You