

Karnataka PGCET Syllabus 2027

Course-wise preparation guide for MBA, MCA and M.E./M.Tech
Prepared using the 2026 syllabus as the reference

IMPORTANT NOTE

The 2027 syllabus may be updated by the Karnataka Examinations Authority (KEA). This document is a preparation guide based on the 2026 syllabus structure and commonly listed topic areas, not a replacement for the official subject-wise PDFs. Check KEA's official portal before finalising your study plan.

At a Glance

Exam authority	Karnataka Examinations Authority (KEA)
Courses covered in this guide	MBA, MCA and selected M.E./M.Tech streams
Question format	Objective multiple-choice questions (MCQs), as per the 2026 pattern
Questions / marks	100 questions for 100 marks, as per the 2026 information
Duration	The 2026 information bulletin lists 150 minutes; check the relevant 2027 notification for confirmation.
Official portal	https://cetonline.karnataka.gov.in/kea

1. Karnataka PGCET MBA Syllabus

The MBA paper focuses on aptitude and general awareness. The 2026 syllabus structure is commonly organised into five sections:

Computer Awareness	Computer fundamentals; hardware and software; input/output devices; CPU and memory; operating systems; data representation and binary arithmetic; basic computer terminology.
Analytical Ability & Logical Reasoning	Analogies; series; coding-decoding; directions; blood relations; arrangements; syllogisms; statement and conclusion; assumptions and arguments; puzzles; data sufficiency; Venn diagrams and logical sequences.
Quantitative Analysis	Number system; percentages; ratio and proportion; averages; profit and loss; simple and compound interest; time, speed and distance; time and work; mixtures; algebra; geometry; mensuration; permutations and combinations; probability; statistics; data interpretation.
English Language	Grammar and parts of speech; tenses; subject-verb agreement; sentence correction; vocabulary; synonyms and antonyms; fill in the blanks; idioms and phrases; one-word substitution; reading comprehension; sentence and paragraph arrangement.
General Knowledge	Current affairs; business and economics; national and international events; Indian polity and Constitution; geography; history; science and technology; important organisations; currencies and capitals; people and institutions in the news.

2. Karnataka PGCET MCA Syllabus

The MCA paper combines mathematical ability, computing fundamentals and general aptitude. Use the official MCA syllabus PDF for the exact topic list and any section-specific instructions.

Mathematics	Algebra; equations; indices and logarithms; sequences and series; matrices and determinants; sets; permutations and combinations; binomial theorem; coordinate geometry; trigonometry; calculus fundamentals; probability and statistics. Confirm the exact scope against KEA's 2026 MCA syllabus.
Computer Awareness	Computer organisation and fundamentals; hardware and software; memory; input/output devices; number systems and data representation; operating systems; programming concepts; databases and networking basics where specified in the official syllabus.
Analytical Ability & Logical Reasoning	Logical and quantitative reasoning; patterns and series; classification; arrangements; relations; statements and conclusions; visual/spatial reasoning; puzzles and data sufficiency.
General Awareness	Current events; business, finance and industry; science and technology; governance; transport; health; culture and other general awareness areas.
General English	Grammar; vocabulary; comprehension; synonyms and antonyms; sentence correction; word usage; idioms and phrases; jumbled sentences or paragraphs.

3. Karnataka PGCET M.E./M.Tech Syllabus

The engineering papers include common foundation areas and branch-specific technical subjects. The following is a revision checklist, not an exhaustive reproduction of the official syllabus. Confirm the precise branch and course code before studying.

Common foundation areas

Engineering Mathematics	Revise the mathematics topics prescribed for the selected stream, which may include linear algebra, calculus, differential equations, probability/statistics and numerical methods.
C Programming for Problem Solving	C fundamentals; data types; operators; control statements; arrays; strings; functions; pointers; structures and unions; recursion; basic algorithms and program tracing.
Technical English	Technical vocabulary; grammar; comprehension; sentence construction and interpretation of technical information, as specified in the official syllabus.

Branch-wise technical areas

Civil Engineering	Engineering mechanics; strength of materials; structural analysis; building materials and construction; geotechnical engineering; fluid mechanics; hydraulics; environmental engineering; transportation engineering; surveying; concrete and steel structures.
Computer Science / Computer Engineering	Programming and data structures; algorithms; computer organisation; operating systems; database management systems; computer networks; software engineering; theory of computation; compiler concepts; discrete mathematics and related core topics.
Electrical Sciences	Circuit theory; electrical machines; power systems; control systems; signals and systems; electrical and electronic measurements; power electronics; analog and digital electronics; electromagnetic fundamentals, as applicable to the official paper.
Mechanical Sciences	Engineering mechanics; strength of materials; theory of machines; machine design; thermodynamics; fluid mechanics; heat transfer; manufacturing processes; materials science; industrial engineering and operations research.

4. How to Use This Syllabus for Preparation

1. Download the official 2026 syllabus PDF for your exact course or engineering stream from KEA and compare it with this checklist.
2. Create a topic tracker and mark each topic as Not Started, In Progress or Revised.
3. For MBA and MCA, practise timed aptitude questions and review errors in mathematics, reasoning and English.
4. For M.E./M.Tech, divide study time between common foundation areas and branch-specific technical subjects.
5. Solve previous-year question papers under timed conditions; use mock tests to improve speed and accuracy.
6. Do not assume estimated topic weightage is official unless KEA publishes it.

Official Reference and Verification

KEA official website: <https://cetonline.karnataka.gov.in/kea>

KEA PGCET 2026 portal (reported by education sources): <https://cetonline.karnataka.gov.in/kea/pgcet2026>

The 2027 syllabus was not treated as officially released for this document. This PDF is an indicative study aid based on the 2026 reference and should be cross-checked against the official course-wise syllabus before use.

Prepared for study and planning purposes • Course-specific syllabus details may vary.