

EXAM SYLLABUS

Karnataka PGCET Syllabus 2026 MBA MCA M.Tech Official PDF

11 subjects · 108 topics · 120 min · 100 marks

Comprehensive Karnataka PGCET 2026 syllabus for MBA, MCA, and M.Tech. Download official PDF, check section-wise weightage, important topics, and recommended books for effective exam preparation.

WHAT TO STUDY FIRST

To effectively prepare for PGCET 2026, begin by thoroughly understanding the exam pattern and specific syllabus for your chosen course (MBA, MCA, or M.Tech). For MBA and MCA, prioritize high-weightage sections like Mathematics for MCA (50% weightage) and equally distributed sections for MBA. Focus on core concepts and consistent practice with previous year papers. Allocate more time to your weaker areas identified through mock tests and regular revisions.

EXAM PATTERN

120 min · 100 questions · 100 marks · MCQ / Objective

Karnataka PGCET Exam Pattern for MBA, MCA, and M.Tech/ME

Marking: +1 for each correct answer in MBA; MBA has 5 sections of 20 questions each. MCA has Part A (60x1 mark) and Part B (20x2 marks). M.Tech/ME has Part A (50x1 mark) and Part B (25x2 marks).

Negative: No negative marking for incorrect or unattempted questions.

MBA Paper

100 Q · 100 marks · 120 min

MCQ

MCA Paper

80 Q · 100 marks · 120 min

MCQ

M.Tech/ME Paper

75 Q · 100 marks · 120 min

MCQ

- Offline OMR-based exam.
- Exam conducted in English.
- No sectional time limits.
- Attempt all questions.

SUBJECT-WISE SYLLABUS

01 MBA – Computer Awareness

8 topics · 20 marks

RECOMMENDED BOOKS

- Lucent's General Knowledge (for Computer Fundamentals)
- Objective Computer Knowledge & Literacy by Kiran Prakashan

- 1 Organization of a computer system

- 2 CPU architecture
- 3 Memory hierarchies
- 4 Basic programming languages (concepts)
- 5 Binary arithmetic
- 6 Modern operating systems
- 7 Data representation (Binary, ASCII, Hexadecimal)
- 8 Networking basics

02 MBA – Analytical Ability and Logical Reasoning

7 topics · 20 marks

RECOMMENDED BOOKS

- A Modern Approach to Logical Reasoning by R.S. Aggarwal
- Analytical Reasoning by M.K. Pandey

- 1 Logical Reasoning (Fact-Inference-Judgment, Statement-Argument, Assumption, Conclusion)
- 2 Puzzles and Patterns (Seating arrangement, Blood relations, Series, Binary logic)
- 3 Decision Making (Direction sense, Clocks, Calendars, Input-Output)
- 4 Critical Thinking (Analogies, Syllogisms, Network diagrams, Matrix arrangements)
- 5 Visuospatial Reasoning
- 6 Analytical Ability
- 7 Verbal Ability

03 MBA – Quantitative Analysis

5 topics · 20 marks

RECOMMENDED BOOKS

- Quantitative Aptitude for Competitive Examinations by R.S. Aggarwal
- Fast Track Objective Arithmetic by Rajesh Verma

- 1 Arithmetic (Percentages, Profit and Loss, Ratios, Interest, Time and Work, Time, Speed & Distance)
- 2 Algebra and Geometry (Permutation and Combination, Coordinate Geometry, Trigonometry, Mensuration)
- 3 Data Interpretation (Bar diagrams, Line graphs, Pie charts, Caselets, Data sufficiency)
- 4 Statistics (Mean, Median, Deviation, Probability, Venn diagrams)
- 5 Foundational Algebra

04 MBA – English Language

8 topics · 20 marks

RECOMMENDED BOOKS

- Objective General English by S.P. Bakshi
- High School English Grammar and Composition by Wren and Martin

- 1 Grammatical mechanics
- 2 Synonyms/Antonyms
- 3 Sentence correction
- 4 One-word substitution
- 5 Idioms and phrases
- 6 Reading comprehension
- 7 Error spotting
- 8 Vocabulary

05 MBA – General Knowledge

9 topics · 20 marks

RECOMMENDED BOOKS

- Lucent's General Knowledge
- Manorama Year Book

- 1 Indian and global business environments
- 2 Macroeconomics
- 3 Fiscal policies
- 4 Corporate current affairs
- 5 Major entrepreneurial milestones
- 6 General Science
- 7 Indian Constitution
- 8 History and Geography of India and Karnataka
- 9 Static GK

06 MCA – Mathematics

7 topics · 50 marks

RECOMMENDED BOOKS

- Quantitative Aptitude for Competitive Examinations by R.S. Aggarwal
- Discrete Mathematics and Its Applications by Kenneth Rosen

- 1 Algebra (Matrices, Determinants, Progressions, Permutation and Combination, Set Theory, Complex Numbers, Quadratic Equations)
- 2 Calculus (Differentiation, Integration, Limits, Continuity)
- 3 Coordinate Geometry (2D and 3D)
- 4 Vectors
- 5 Trigonometry
- 6 Probability and Statistics (Probability, Mean, Median, Mode, Standard Deviation)
- 7 Boolean Algebra (logic gates, truth tables)

07 MCA – Computer Awareness

7 topics · 20 marks

RECOMMENDED BOOKS

— Objective Computer Knowledge & Literacy by Kiran Prakashan

— Fundamentals of Computers by E. Balagurusamy

- 1 CPU architecture
- 2 Data representation (Binary, ASCII, Hexadecimal)
- 3 Networking basics
- 4 Operating systems
- 5 Core syntax/logic based on C-Programming
- 6 Computer fundamentals (Hardware, Software, Input/Output devices)
- 7 MS Office (basic knowledge)

08 MCA – Logical & Analytical Ability

8 topics · (Combined with General Awareness and English for remaining marks, approximately)

RECOMMENDED BOOKS

— A Modern Approach to Logical Reasoning by R.S. Aggarwal

- 1 Logical Reasoning
- 2 Puzzles
- 3 Diagrams
- 4 Analogy
- 5 Verbal Ability
- 6 Analytical Ability
- 7 Blood relations
- 8 Series completion

09 MCA – General Awareness

7 topics · (Combined with Logical & Analytical Ability and English for remaining marks, app

RECOMMENDED BOOKS

— Lucent's General Knowledge

- 1 Current Affairs (National and International)
- 2 General Science
- 3 Indian History
- 4 Indian Geography
- 5 Indian Polity
- 6 Economy
- 7 Awards and Honors

10 MCA – English Language

5 topics · (Combined with Logical & Analytical Ability and General Awareness for remaining

RECOMMENDED BOOKS

— Objective General English by S.P. Bakshi

- 1 Grammar (Parts of Speech, Tenses, Articles)
- 2 Vocabulary (Synonyms, Antonyms, One-word substitution)
- 3 Sentence Correction
- 4 Reading Comprehension
- 5 Idioms and Phrases

11 M.Tech / M.E / M.Arch (Common Engineering Subjects)

37 topics · Varies by specific branch and exam structure

RECOMMENDED BOOKS

— Standard textbooks for respective engineering disciplines

— Engineering Mathematics by B.S. Grewal

- 1 Engineering Mathematics
- 2 C Programming for problem solving
- 3 Technical English
- 4 Elements of Civil Engineering and Strength of Materials (for Civil)
- 5 Building Engineering Science (for Civil)
- 6 Surveying (for Civil)
- 7 Fluid Mechanics (for Civil/Mechanical)
- 8 Structures (for Civil)
- 9 Geo-technical Engineering (for Civil)
- 10 Water Supply and Sanitary Engineering (for Civil)
- 11 Transportation Engineering (for Civil)
- 12 Hydrology (for Civil)
- 13 Irrigation (for Civil)
- 14 Engineering Materials (for Mechanical)
- 15 Engineering Mechanics (for Mechanical)
- 16 Thermodynamics (for Mechanical)
- 17 Theory of machines (for Mechanical)
- 18 Design of Machine Elements (for Mechanical)
- 19 Production Engineering (for Mechanical)
- 20 Industrial Engineering and Management (for Mechanical)
- 21 Data Structures and Algorithms (for Computer Science)
- 22 Logic Design and Computer Organization (for Computer Science)

- 23 Formal Languages and Automata Theory (for Computer Science)
- 24 System Software (for Computer Science)
- 25 Operating Systems (for Computer Science)
- 26 Databases (for Computer Science)
- 27 Computer Networks (for Computer Science)
- 28 Web Technologies (for Computer Science)
- 29 Electrical Circuits (for Electrical Science)
- 30 Power Systems (for Electrical Science)
- 31 Control Systems (for Electrical Science)
- 32 Electrical Machines (for Electrical Science)
- 33 Signals and Systems (for Electrical Science)
- 34 Process Calculations (for Chemical Engineering)
- 35 Momentum Transfer (for Chemical Engineering)
- 36 Heat Transfer (for Chemical Engineering)
- 37 Chemical Reaction Engineering (for Chemical Engineering)

11 subject(s), 108 topics listed above. Verify critical details with the official exam notification before applying.