TANCET MCA Syllabus 2027

Section-wise exam pattern and detailed subject topics

EXAM PATTERN

Parameter	Details
Conducting body	Anna University, Chennai
Mode	Offline, OMR-based (as per latest available pattern)
Duration	2 hours
Question type	Multiple-choice questions (MCQs)
Total questions / marks	100 questions / 100 marks
Marking scheme	+1 for a correct answer; –1/3 for an incorrect answer; no penalty for unanswered questions
2027 status	2027 brochure/pattern not yet available in the sources checked; verify the official notification when released

SECTION-WISE WEIGHTAGE

Section	Questions	Marks	Weightage
Quantitative Ability	25	25	25%
Analytical Reasoning	25	25	25%
Logical Reasoning	25	25	25%
Computer Awareness	25	25	25%
Total	100	100	100%

DETAILED SYLLABUS

1. Quantitative Ability

- Number system, divisibility, HCF and LCM
- Percentages, ratios and proportions, averages and mixtures
- Profit and loss, discount, simple and compound interest
- Time and work, pipes and cisterns, speed, time and distance
- Linear and quadratic equations, algebraic expressions and inequalities
- Indices, surds, logarithms, functions and progressions (AP/GP)
- Sets, permutations and combinations, probability
- Geometry, triangles, circles, mensuration and coordinate geometry
- Basic trigonometry, statistics and interpretation of tables or graphs

2. Analytical Reasoning

- Interpreting numerical and tabular data
- Data sufficiency and information evaluation
- Identifying patterns, relationships and rules
- Series completion and analogies
- Classification and odd-one-out problems
- Cause-and-effect, assumptions and conclusions
- Arrangements, constraints and multi-step analytical puzzles
- Decision-making based on given conditions

DETAILED SYLLABUS (CONTINUED)

3. Logical Reasoning

- Number, letter and figure series
- Coding and decoding
- Blood relations and family-tree problems
- Direction sense and distance
- Ranking, ordering and sequencing
- Seating arrangements and grouping
- Syllogisms, statements and conclusions
- Assumptions, arguments and logical deductions
- Calendars, clocks, cubes, dice and visual patterns
- Mirror images, water images, paper folding and embedded figures

4. Computer Awareness

- Computer fundamentals, generations and basic terminology
- Hardware, input/output devices and peripheral devices
- CPU, memory hierarchy, RAM, ROM, cache and secondary storage
- Number systems, binary arithmetic and data representation
- Operating-system fundamentals, files, processes and memory management
- Programming basics: algorithms, flowcharts, variables, operators, loops and conditionals
- Fundamentals of C/C++ and common programming concepts
- Data structures: arrays, linked lists, stacks, queues, trees and graphs
- Searching and sorting concepts
- Database basics, tables, keys, SQL and DBMS concepts
- Computer networks, LAN/WAN, internet and common protocols
- Cybersecurity basics, malware, antivirus, firewalls and safe computing

Preparation coverage

- Give balanced preparation time to all four sections under the reference pattern
- Practise quantitative problems, reasoning sets and computer-fundamentals MCQs under timed conditions