



सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्थान, सूरत - ३९५००७, गुजरात, भारत
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY
SURAT-395007, GUJARAT
DEPARTMENT OF MANAGEMENT STUDIES

MBA Programme
(Business Analytics and Digital Transformation)

Aptitude Test Section-wise Weightage (Approx.)

Section	Weightage	No. of Questions	Marks
I: Verbal Ability (VA)	12.5	15	15
II: Reading Comprehension (RC)	12.5	15	15
III: Data Interpretation (DI)	13	30	30
IV: Logical Reasoning (LR)	12		
V: Quantitative Ability (QA)	50	30	60
Total	100	90	120

Type of questions	MCQs
Exam duration	2 Hours

Detailed Aptitude Test Syllabus

The updated Syllabus for all the 5 sections based on Language Comprehension, Intelligence & Critical Reasoning, Mathematical skills, Data Analysis and Sufficiency, and Indian and Global Environment is given below.

Section I: Verbal Ability

- Jumbled Paragraphs
- Error Correction of Verb, Noun, Pronoun, Adjective, Adverb and other parts of speech in the Sentences
- Correcting the sequence of sentences in the paragraph for example correct use of conditional sentence, time clauses, reported speech, passive writing
- Antonyms/Synonyms
- Fill in the blanks
- One word substitution
- Idioms/Phrases

Section II: Reading Comprehension (RC)

The RC Syllabus encompasses a wide array of topics, including current affairs with significant impacts on social life, international affairs, government policies, and schemes. Examples range from issues like Triple Talaq and the Clean India Mission

to the migration of people between countries and the growing global trend of intolerance. It also delves into governmental agricultural policies and poverty eradication programs.

Additionally, there are passages focusing on business and economics, exploring themes such as global economic shifts, economic development versus environmental sustainability, and the repercussions of policies like Demonetization in India. Moreover, there are readings drawn from English literature classics, philosophical works, and speeches by influential figures such as Charles Dickens, Aristotle, Martin Luther King Jr., Mohandas Karamchand Gandhi, and Winston Churchill.

The syllabus extends to encompass science and culture, tracing the journey to the modern world and examining the impact of technological advancement on traditional cultures. Abstract topics and fiction are also included, challenging candidates to empathize with the author's perspective in order to answer opinion-based questions effectively.

Historical events leading to social change, such as the French Revolution, the War of Roses, and pivotal moments in Indian history, are explored through RC passages. Additionally, passages from mythology are

incorporated, prompting candidates to draw connections between mythological narratives and contemporary social structures, requiring inference-based responses.

Section III: Data Interpretation (DI)

- Data Tables
- Data charts
- Bar diagrams & Charts including Simple, Stacked, Composite Bar charts
- Pie charts
- Graphs – Line X-Y Graphs
- Data analysis and Data comparison among others
- Caselet based Data
- Venn diagram
- Data Sufficiency

Section IV: Logical Reasoning (LR)

- Direction sense
- Team formation
- Seating Arrangement
- Blood Relation
- Clocks, Calendars
- Binary logic
- Logical Sequence
- Assumption, Premise, Conclusion
- Linear and matrix arrangement
- Input-Output, Series
- Syllogism
- Cubes, Rows
- Set Theory
- Venn Diagrams
- Seating arrangement
- Ranks
- Different type of team formation
- Puzzles on words, letters, statements, arguments

Section V: Quantitative Ability (QA)

Topic	Syllabus
Arithmetic	Averages; Ratio & Proportion; Speed, Time and Distance; Time and Work; LCM and HCF; Percentages, Profit and Loss; Interest (Simple and Compound); Number System
Algebra	Linear & Quadratic Equations; Inequalities; Functions; Progressions; Algebraic Expressions to Polynomials; Complex numbers; Sequences and series; Permutations and combinations
Geometry/ Mensuration	Triangles, Lines and Angles (Supplementary, Complementary, Obtuse, Acute, and Right), Quadrilaterals, Circles; Theorems (Pythagoras, Midpoint, Apollonius, Basic Proportionality, Internal and External Angular Bisector), Co-ordinate Geometry, Quadrant System, Areas of Hexagonal Polygon, Triangle, and Rectangle. Square, Rhombus, Trapezoid, Volume, Total Surface Area, and Lateral Surface Area of Different Solids like Cubes, Cuboids, Cylinders, Pyramids, Cones, Spheres, Hemispheres, and Frustum
Trigonometry	Trigonometric ratios, identities, and heights and distances, Sine, Cosine
Modern Math	Sequence and Series, Binomial Theorem, Set Theory, Probability, Permutation & Combination