



JEE (B.ARCH) EXAM SYLLABUS

“THE TEST IS IN THREE PARTS”

PART I

- **TYPE OF TEST:** Objective Type - Multiple Choice Questions (Mcqs)
- **TIME DURATION:** 40 Min
- **NO OF QUESTIONS:** (20+5*) Questions=100 Marks)
- **MODE OF TEST:** Computer Based Test (CBT)

SYLLABUS OF PART I

MATHEMATICS

Sets| Relations and Functions| Complex Numbers| Quadratic Equations| Matrices and Determinants| Mathematical Induction| Sequences and Series| Permutations and Combinations| Limits| Continuity and Differentiability| Algebra: (Partial Fractions| Permutations and Combinations| Binomial Theorem | Applications of Binomial Theorem)| Sequence and Series:(Harmonic Progression| Arithmetic Mean | Geometric Mean| Exponential Series & Logarithmic Series) | Analytical Geometry | Differential Calculus | Applications of Integral Calculus| Integral Calculus| Differential Equation| Vector Algebra| Trigonometry| Co-ordinate Geometry| Three Dimensional Geometry| Discrete Mathematics| Probability| Statistics| and Mathematical Reasoning.

PART II

- **TYPE OF TEST:** Objective Type - Multiple Choice Questions (MCQs)
- **TIME DURATION:** 80 MIN
- **NO OF QUESTIONS:** 50 QUESTIONS=200 MARKS)
- **MODE OF TEST:** Computer Based Test (CBT)

SYLLABUS OF PART II

APTITUDE TEST

A. VERBAL REASONING

Series Completion| Analogy| Classification (odd one out)| Venn Diagrams| Distance and Directions| Coding-Decoding| Blood Relations

B. NON-VERBAL REASONING

Series| Analogy| Classification| Pattern Perception| Figure Formation and Analysis| Figure Embedded| Paper Folding| Folded Figures| Figure Matrix| Mirror Image| Rule Detection| Chart Logic| Cubes and Cubical Dice| Hidden Figures| Figure Series Completion

C. GENERAL AWARENESS

1. Architectural Awareness
2. Natural Disaster/Resources
3. Construction Oriented Questions
4. Identify the location of the famous buildings
5. Building materials oriented question

iii. Architects name and their Building names

1. General Knowledge.

D. ARCHITECTURAL APTITUDE

Awareness of places| persons| buildings and materials| Texture and objects related to Architecture and building environment| colour texture| building forms and elements| contrast and harmony

E. PROJECTION AND ELEVATION TYPES

Based on front view of the figure| Total number of surface identification| Identify the correct elevation| Top view of an object| 3D figure find out after opened it.

PART III

- **TYPE OF TEST:** Pen & Paper Based
- **TIME DURATION:** 60 MIN
- **NO OF QUESTIONS:** 2 QUESTIONS=100 MARKS)
- **MODE OF TEST:** MANUAL

SYLLABUS OF PART III

DRAWING TEST

Drawing and designing of geometrical or abstract shapes and patterns in pencil| Transformation of forms both 2 D and 3 D union| Elevations and 3 D views of objects Rotation| Development of surfaces and volumes| Generation of Plan| Creating 2D and 3D compositions using given shapes and forms| Sketching of activities from memory of urban scenes (public space| festivals| market| street scenes| recreational spaces monuments| etc.)| landscape (gardens| trees| river fronts| jungles| plants etc.) and rural life. Draw Enlarge/Double the size of given object | Draw Mirror Image of the given Sketch on the other side of the given Centre Line.