

# COMMON IESTEY ENTRANCE TEST (CIET)

*(CIET Syllabus)*



## **(DREaD Co-Innovation Network)**

*(Inspiring Entrepreneurial, Scientific, and Technological Exploration in Youth) The IESTEY Fellowship Program from Disruptive Research Engineering Assisted Design Private Limited is powered by the DREaD Co-Innovation Network Foundation's Scholarship.*

### **A. Reasoning Syllabus**

1. Analogies
2. Similarities and differences
3. Space visualization
4. Spatial orientation
5. Problem-solving
6. Analysis
7. Judgment
8. Blood Relations
9. Decision making
10. Visual memory
11. Discrimination
12. Observation
13. Relationship concepts

14. Arithmetical reasoning
15. Figural classification
16. Arithmetic number series
17. Non-verbal series
18. Coding and decoding
19. Statement conclusion
20. Syllogistic reasoning
21. Data Sufficiency
22. Code Inequalities
23. Course of Action
24. Critical Reasoning
25. Analytical and Decision Making
26. Ranking & Order
27. Alphabet Test
28. Seating Arrangement
29. Puzzle

## **B. Computer Science Syllabus**

1. Internet
2. Memory
3. Keyboard Shortcuts
4. Computer Abbreviation
5. Microsoft Office
6. Computer Hardware
7. Computer Software
8. Computer Fundamentals/Terminologies
9. Networking

- 10.Number System
- 11.Operating System
- 12.Basics of Logic Gates

## **C. Mathematics Syllabus**

1. Computation of whole numbers
2. Decimals
3. Fractions
4. Relationships between numbers
5. Profit and Loss
6. Discount
7. Partnership Business
8. Mixture and Alligation
9. Time and distance
- 10.Time & Work
- 11.Percentage
- 12.Ratio & Proportion
- 13.Square roots
- 14.Averages
- 15.Interest
- 16.Basic algebraic identities of School Algebra & Elementary surds
- 17.Graphs of Linear Equations
- 18.Triangle and its various kinds of centers
- 19.Congruence and similarity of triangles
- 20.Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles
- 21.Triangle

22. Quadrilaterals
23. Regular Polygons
24. Right Prism
25. Right Circular Cone
26. Right Circular Cylinder
27. Sphere
28. Heights and Distances
29. Histogram
30. Frequency polygon
31. Bar diagram & Pie chart
32. Hemispheres
33. Rectangular Parallelepiped
34. Regular Right Pyramid with triangular or square base
35. Trigonometric ratio
36. Degree and Radian Measures
37. Standard Identities
38. Complementary angles