

Target REAL ANALYSIS CSIR NET 2023

| ✓ | Task |
|--------------------------|---|
| <input type="checkbox"/> | Sets & Relations (Set Theory) - L1 Real Analysis Practice Series for CSIR NET / JAM / GATE |
| <input type="checkbox"/> | Sets & Relations (Set Theory) - L2 Real Analysis Practice Series for CSIR NET / JAM / GATE |
| <input type="checkbox"/> | Basics of Functions - L3 Real Analysis Practice Series for CSIR NET / JAM / GATE |
| <input type="checkbox"/> | Bijection & Counting No. of Functions - L4 Real Analysis Practice Series- CSIR NET / JAM / GATE |
| <input type="checkbox"/> | Countability-Uncountability & Similar Sets -L5 Real Analysis Practice Series- CSIR NET /JAM /GATE |
| <input type="checkbox"/> | Point Set Topology -L6 Real Analysis Practice Series UGC-CSIR NET /JAM /GATE |
| <input type="checkbox"/> | Archimedean Property, Interior Point, Limit Point -L7 Real Analysis Practice Series CSIR NET |
| <input type="checkbox"/> | Bolzano Weierstrass Theorem -L8 Point Set Topology Real Analysis Practice Series CSIR NET |
| <input type="checkbox"/> | Open & Closed Sets -L9 Point Set Topology Real Analysis Practice Series CSIR NET |
| <input type="checkbox"/> | Discrete & Isolated Sets -L10 Point Set Topology Real Analysis Practice Series CSIR NET |
| <input type="checkbox"/> | Compact, Connected & Dense Sets -L11 Point Set Topology Real Analysis Practice Series -CSIR NET |
| <input type="checkbox"/> | Basics of Sequences - Lecture 12 Real Analysis Practice Series JAM / CSIR NET |
| <input type="checkbox"/> | Limit of a Sequence - Lecture 13 Real Analysis Practice Series JAM / CSIR NET |
| <input type="checkbox"/> | Not Convergent Sequences - Lecture 14 Real Analysis Practice Series JAM / CSIR NET |
| <input type="checkbox"/> | Cauchy's I & II Theorem & Subsequences - L 15 Real Analysis Practice Series JAM / CSIR NET |
| <input type="checkbox"/> | Monotonically Increasing-Decreasing Sequences -L16 Real Analysis Practice Series JAM / CSIR NET |
| <input type="checkbox"/> | Cesaro Theorem & Sandwich Theorem -L17 Real Analysis Practice Series JAM / CSIR NET/ GATE |
| <input type="checkbox"/> | Cauchy Sequence, Eventually Monotonic Sequence -L18 Real Analysis Practice Series JAM /CSIR NET |
| <input type="checkbox"/> | Series of Real Numbers -L19 SOPS, Positive Term Series Real Analysis Practice Series JAM /NET |

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| <input type="checkbox"/> | Geometric Series, P Series, Comparison Test -L20 Real Analysis Practice Series JAM /CSIR NET |
| <input type="checkbox"/> | Root test, Ratio Test, Raabe's Test, Log Test -L21 Real Analysis Practice Series JAM /CSIR NET |
| <input type="checkbox"/> | Gauss test, Cauchy's Integral Test - L22 Real Analysis Practice Series JAM /CSIR NET |
| <input type="checkbox"/> | Alternating Term Series & Leibnitz Test - L23 Real Analysis Practice Series JAM /CSIR NET |
| <input type="checkbox"/> | Absolute & Conditional Convergence -L24 Real Analysis Practice Series JAM/CSIR NET |
| <input type="checkbox"/> | Abel's Lemma & Abel's Theorem -L25 Real Analysis Practice Series JAM/CSIR NET |
| <input type="checkbox"/> | Dirichlet's Test & Dirichlet's Theorem Riemann Theorem Real Analysis Practice Series JAM/ NET |
| <input type="checkbox"/> | Free Complete Preparation for CSIR NET, IIT JAM & GATE As per the New Syllabi Mathematics |
| <input type="checkbox"/> | Telescopic Series & Power Series L-27 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Power Series L-28 Real Analysis Practice Series JAM/ NET/ GATE/ UPSC OPTIONAL/ TIFR/ DU... |
| <input type="checkbox"/> | Functions L-29 Real Analysis Practice Series JAM/ NET/ GATE/ UPSC OPTIONAL/ TIFR/ DU... |
| <input type="checkbox"/> | Types of Functions L-30 Real Analysis Practice Series JAM/ NET/ GATE/ UPSC OPTIONAL... |
| <input type="checkbox"/> | Step, Exponential, Log, Trigonometric Functions L-31 Real Analysis Practice Series JAM/ NET/... |
| <input type="checkbox"/> | Hyperbolic & Inverse Trigonometric Functions L-32 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Bounded & Unbounded, Algebraic Functions L-33 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Even, Odd, Monotonic & Periodic Functions L-34 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Limits, Limit of a Function L-35 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Indeterminate Forms & Limit of Functions L-36 Real Analysis Practice Series JAM/ NET/ GATE |
| <input type="checkbox"/> | Algebra of Limits & PYQs on Limit of Functions L-37 Real Analysis Practice Series JAM/ NET/ GATE |

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| ✓ | Task |
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| <input type="checkbox"/> | <i>PYQs on Limit of Functions L-38 Real Analysis Practice Series JAM/ NET/ GATE</i> |
| <input type="checkbox"/> | <i>PYQs on Limit of Functions L-39 Real Analysis Practice Series JAM/ NET/ GATE</i> |
| <input type="checkbox"/> | <i>PYQs on Limit of Functions L-40 Real Analysis Practice Series JAM/ NET/ GATE</i> |
| <input type="checkbox"/> | <i>Continuity of a Function L-41 Real Analysis Practice Series JAM/ NET/ GATE</i> |
| <input type="checkbox"/> | <i>Algebra of Continuous Functions & PYQ L-42 Real Analysis Practice Series JAM/ NET/ GATE </i> |
| <input type="checkbox"/> | <i>Algebra of Continuous Functions & PYQ L-43 Real Analysis Practice Series JAM/ NET/ GATE </i> |
| <input type="checkbox"/> | <i>PYQ on Continuous Functions & PYQ L-44 Real Analysis Practice Series JAM/ NET/ GATE </i> |
| <input type="checkbox"/> | <i>Discontinuous Function & Types of Discontinuity L-45 Real Analysis Practice Series JAM/NET/ GATE</i> |
| <input type="checkbox"/> | <i>Differentiability & Derivative of Functions L-46 Real Analysis Practice Series JAM/NET/ GATE</i> |
| <input type="checkbox"/> | <i>Differentiability of $f(x)$ at Closed Interval $[a,b]$ L-48 Real Analysis Practice Series JAM/NET/GATE</i> |
| <input type="checkbox"/> | <i>Differentiability: Previous Year Questions L-49 Real Analysis Practice Series JAM/NET/GATE/UPSC</i> |
| <input type="checkbox"/> | <i>Necessary Condition for Differentiability L-50 Real Analysis Practice Series JAM/NET/GATE/UPSC</i> |
| <input type="checkbox"/> | <i>Relation Between Monotonic Functions & Differentiability L-51 Real Analysis JAM/NET/GATE/UPSC</i> |
| <input type="checkbox"/> | <i>Important Ques Monotonic Functions & Differentiability L-52 Real Analysis JAM/NET/GATE/UPSC</i> |
| <input type="checkbox"/> | <i>Fixed Point of a Differentiable Function L-53 Real Analysis JAM/NET/GATE/UPSC</i> |
| <input type="checkbox"/> | <i>Differentiable Functions & Rolle's Theorem L-54 Real Analysis JAM/ NET /GATE /UPSC OPTIONAL </i> |
| <input type="checkbox"/> | <i>Mean Value Theorem L-55 Real Analysis JAM/ NET /GATE /UPSC OPTIONAL </i> |