

GATE 2025 MA Feb 1 Memory Based Questions

1. The volume of the region bounded by the cylinder $x^2+y^2=4$ and $x^2+z^2=4$ is _____.
2. A fair dice is rolled 3 times. Find the probability of getting '6' exactly one time.
3. Given $f(x) = \{ax+b, x < 1; x^3+x^2+1, x \geq 1\}$
If 'f' is differentiable then the value of 'b' = _____.
4. Questions asked on Multiple integrals and limits evaluation.
5. Questions asked on Bayes' theorem and hypothesis testing.
6. Questions asked on Eigenvalues, eigenvectors, and matrix diagonalization.
7. Questions asked on Newton-Raphson method and finite difference techniques.
8. Questions asked on Solutions using Laplace transform.