

JEE MAIN INTEGRALS — DEFINITE INTEGRAL AS THE LIMIT OF A SUM
— PYQS

Max. Marks: 4

Questions: 1

Section B (Numerical) — 1 question

Q.1 Let $[\cdot]$ denote the greatest integer function and $f(x) = \lim_{n \rightarrow \infty} \frac{1}{n^3} \sum_{k=1}^n \left[\frac{k^2}{3^n} \right]$. Then $12 \sum_{j=1}^{\infty} f(j)$ is equal to

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Scan or tap for the full solution



ANSWER KEY

Ques.	1									
Ans.	2									