

VIDYAPEETH

JEE MAINS PAPER DISCUSSION

2025



Session – 1

24 Jan 2025, SHIFT – 01

Memory Based Discussion

MATHEMATICS

If the 5th, 6th and 7th term of the binomial expansion of $(1 + x^2)^{n+4}$ are in A.P. Then the greatest binomial coefficient in the expansion of $(1 + x^2)^{n+4}$ is

(A) 10

(B) 35

(C) 25

(D) 14

QUESTION

JEE MAINS 2025, 24 Jan 2025, SHIFT - 01



P & C, Medium

The number of 3 digit numbers which is divisible by 2
and 3 but not divisible by 4 and 9 .

If A is 3×3 matrix such that $\det(A) = 2$. Then $\det(\text{adj}(\text{adj}(\text{adj}(\text{adj } A))))$

- (A) 2^{32}
- (B) 2^{16}
- (C) 2^8
- (D) 2^{12}



Future IITians