GATE 2023 Chemical Engineering Question Paper (Memory-Based)

Question.

Answer. 4160

Question. Find Divergence

$$\overline{v} = Zx\hat{i} + 2xy\hat{j} + 3yz\hat{k}$$

A. 3

B. 13

C. 4

D. 0

Answer, B

Question.

$$Y = \lim_{x \to 0} \frac{2x}{e^x - 1}$$

A. 0

B. 1



- C. Infinity
- D. 2

Answer. D

Question. Find F

$$f = \frac{|Z_1 + Z_2|}{|Z_1| + |Z_2|}$$

$$Z_1 = 2 + 3\hat{J}$$

$$Z_2 = -2 + 3\hat{J}$$

- A. F < 1
- B. F > 1
- C. F = 0
- D. F < 0

Answer. A