

# Assignment IN \_40Q

EE23BTECH11028 - Kamale Goutham

## QUESTION

The signal  $x(t) = (t - 1)^2 u(t - 1)$ , where  $u(t)$  is unit-step function, has the Laplace transform  $X(s)$ . The Value of  $X(1)$  is

- 1)  $\frac{1}{e}$
- 2)  $\frac{2}{e}$
- 3)  $2e$
- 4)  $e^2$

(GATE 2022 IN 40)

**Solution:**