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CA1 -CO1 Quiz

1 message

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CA1 -CO1 Quiz

Your email (**20z209@psgtech.ac.in**) was recorded when you submitted this form.

$L\{e^{5t}\cos 4t\} =$

$\frac{s-5}{(s-5)^2+16}$

Option 1

$\frac{s-4}{(s-4)^2+25}$

Option 2

$\frac{s-5}{(s-5)^2+25}$

Option 3

$\frac{s-4}{(s-4)^2-25}$

Option 4

Other:

L {sin 5t u (t)} =

$\frac{5}{s^2+25}$

Option 1

$\frac{5}{(s-5)^2+25}$

Option 2

$\frac{5e^{-s}}{s^2+25}$

Option 3

$\frac{5e^{s}}{s^2+25}$

Option 4

Other:

Which of the following function has the period π?

sin x

cos x

- |sin x|
- tan x
- Other: .....

Match the following

(i) $t^5 e^{6t}$	(a)Infinite discontinuities an Laplace transform does not exists
(ii) $\tan t$	(b)Continuous and not of exponential order
(iii) e^{6t^2}	(c)Exponential order and Laplace transform exists

- (i)-(c) ;(ii)-(b) ;(iii)-(a)
- (i)-(a) ;(ii) - (c) ;(iii)-(b)
- (i)-(c) ;(ii)-(a) ;(iii)-(b)
- (i) - (b) ;(ii)-(a) ;(iii)-(c)
- Other: .....

$L\{f'''(t)\} =$

$s^3 L\{f(t)\} + s^2 f(0) + s f'(0) + f''(0)$

Option 1

$s^3 L\{f(t)\} - s^2 f(0) - s f'(0) - f''(0)$

Option 2

$s L\{f(t)\} - s^2 f(0) - s^3 f'(0) - f''(0)$

Option 3

$s^3 L\{f(t)\} - s^2 f''(0) - s f'(0) - f(0)$

Option 4

Other: