1

6th September, 2020 Shift-2

EE24BTECH11063 - Y.Harsha Vardhan Reddy

SINGLE CORRECT

summit is found to be 60°. Then the height (in km) of the summit from the ground is:

1) The angle of elevation of the summit of a mountain from a point on the ground is 45°. After climbing up one km towards the summit at an inclination of 30° from the ground, the angle of elevation of the

(c)	$\frac{\sqrt{3}-1}{\sqrt{3}+1}$		d) $\frac{1}{\sqrt{3}-1}$	
2)	If	the constant term in the binomial expansion of $\left(\sqrt{x} - \frac{k}{x^2}\right)^{10}$ is 405, then $ k $ equals:			
á	a)	1 b) 9)	c) 2	d) 3
4)	a) c) d) Le	line, $y = x$ real axis imaginary axis line, $y = -x$	xy-plane with x and		$i = \sqrt{-1}$, then z lies on the espectively. Then the image
ä	a)	$\left(\frac{11}{5},\frac{28}{5}\right)$		b) $(\frac{8}{5}, \frac{29}{5})$	
(2)	$\left(\frac{29}{5}, \frac{11}{5}\right)$		d) $\left(\frac{29}{5}, \frac{8}{5}\right)$	
ł	of a) o) c)	onsider the statement: "For this statement is: For an integer n, if n is every For an integer n, if n is of For an integer n, if $n^3 - 1$ For an integer n, if n is every Formal For	ven, then $n^3 - 1$ is edd, then $n^3 - 1$ is evis not even, then n	even ven is not odd	he contrapositive statement