Quiz 2	Duration: 30 minutes	Marks: 15	Marks Obtain:	
Semester: Summer 2023		Section: 09		
Course ID: MAT120		Course Title: Integral Calculus & Differential Equation		
Student ID: 22/0/698		Name: Jannatul Soa	nixon Mahmud	

Answer all the questions below:

1.	Use cylindrical or spherical co-ordinates to evaluate the integral	
	$\int_0^2 \int_0^{\sqrt{4-y^2}} \int_{\sqrt{x^2+y^2}}^{\sqrt{8-x^2-y^2}} z^2 dz dx dy.$	8
2.	Find the volume of the solid bounded by the surface $z = \sqrt{y}$ and the planes $x + y = 1$, $x = 0$, $z = 0$.	[10] ヌ