What is the value of acceleration due to gravity for scientific calculations at jhansi city of Uttar Pradesh state

The Jhansi city is situated between North 24°11′ and 25°57′ and East 78°10′ and 79°25′. It has an average altitude of 284 meters.

Acceleration due to gravity can be found as:

$$g_{\phi,h} = 9.780327 \left(1 + 0.0053024 \sin^2 \phi - 0.0000058 \sin^2 2\phi \right) - 3.086 \times 10^{-6} h$$

at latitude ϕ and altitude h in metres

$$g = 9.780984474 \frac{m}{s^2}$$

Answer: $g = 9.780984474 \frac{m}{s^2}$