

Roll No: [210050023]

Marks: 3.0/3.0

Question 1.

Consider the sequence $a_n = \frac{b^n}{n}$, where b is a real number. Consider the following statement: the sequence a_n is convergent for all values of b . The statement is

☐ True☒ False

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Question 2.

Calculate the following limit

$$\lim_{x \rightarrow 0} x \sin \frac{1}{x} \cos x$$

0.0
