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| GATE |
| Calculus |
| PYS’s and Solution |

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| VARUN KUMAR  [Date] |

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# **CSE**

## 2025

**S1**

**Q.** Consider the given function 𝑓(𝑥).

If the function is differentiable everywhere, the value of 𝑏 must be \_\_\_\_\_\_\_\_. (rounded off to one decimal place)

**S2**

**Q.** The value of 𝑥 such that 𝑥 > 1, satisfying the equation

a.

b. **e**

c. **e2**

d. **e – 1**

# **ECE**

# **EEE**

# **Civil**

# **Mechanical**

# **PI**