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| **MAT 101:** Differential and Integral Calculus (Sec-4)  Department of Computer Science and Engineering  University of Liberal Arts Bangladesh | | | |
| **Course Title:** Differential and Integral Calculus | | **Course Code:** MAT 101 | |
| **Total Marks:** 20 | | **Time: 2**0 minutes | |
| **Name:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **ID:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1. Find the relative extrema of using the Second Derivative Test and First Derivative Test. | | 12 |
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| 1. Find the two x-intercepts of the function and confirm that at some point between those intercepts. | | 8 |
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