**University of Asia Pacific (UAP)**

**Department of Basic Sciences and Humanities**

**Quiz Test: 01 (Lec 02+04)**

**Program: B.Sc. Engineering (CSE)**

**2nd Year / 1st Semester**

**Section- A**

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| Course Title: Multivariable Calculus | Course Code: MTH 201 | Course credit:3.00 |
| Time: 30 min Date: 05-05-2019 |  | Full Marks: 15 |

There are **Four** Questions. Answer any **Two**.

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| 1. Does the following limit exist? If so find its value |
| 1. Evaluate the limit by converting to polar coordinates, |
| 1. If find the value of when r= 2, s=1, t= 0. |
| 1. If and f is differentiable, show that g satisfies the equation . |