

Name:

Student ID:



**Class Test 3**

*United International University (UIU)*

Fall Trimester: 2020; Course Code: IPE 401; Course Title: Industrial Management

Full Marks: 20

Date: 22/12/2020

Time: 22 minutes

**CSE-SECTION (B)**

- 1) (a) During the past 8 quarter the port of Potenga has unloaded large quantities of grain.  $\alpha=0.12$ . The 3<sup>rd</sup> quarter forecast was 167. Find the forecast for 2<sup>nd</sup> quarter.

Quarter	1	2	3	4	5	6	7	8
Actual	160	169	159	199	179	197	187	188

(2)

- (b) The deputy managing director of BSRM gathered 15 of his expert employee from different sector and of different designation. He wanted to know how much production bonus is suitable for the new year for the employee. Then he gave them a set of question paper and interviewed one by one in a separate room. And collected all the answers from the papers and prepared another set of question and interviewed them again until majority members choose one answer. So no employee knew what the other employee answered and was able to give their opinion without fear of intimidation. So which type of qualitative method was used here? Explain (2)

- 2) .A firm's sales for a product line during the 12 years were as follows.

The firm wants to forecast sales of year 3056 using the trend line

(16)

Years	Sales
2000	909
2001	1587
2002	1619
2003	1599
2004	1993
2005	2017
2006	2006
2007	2211
2008	2392
2009	2761
2010	2816
2011	3128

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