

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 Mongla has unloaded large quantities of grain.  $\alpha=0.25$ . The 4<sup>th</sup> quarter forecast was 155. Find the forecast for 3<sup>rd</sup> quarter.

Quarter	1	2	3	4	5	6	7	8
Actual	179	177	169	181	216	199	190	180

(2)

- (b) The deputy managing director of BSRM gathered 15 of his expert employee from different sector and of different designation. Then he asked about their opinion about the new **Slag processing unit** and how much it should process every month. So after free exchange of ideas among the experts they were able to decide the targeted value for the slag processing unit in a very short amount of time. 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 3089 using the trend line

(16)

Years	Sales
2000	909
2001	1125
2002	1259
2003	1317
2004	1579
2005	1997
2006	2006
2007	2177
2008	2369
2009	2971
2010	3013
2011	3335