Name: Enrolment No:



Marks

COs

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

End Semester Examination (Online) – July, 2020

Program: BA EE
Subject/Course: Business Analytics (with Excel)
Course Code: DSBA 2001

Semester: IV
Max. Marks: 100
Duration: 3 Hours

IMPORTANT INSTRUCTIONS

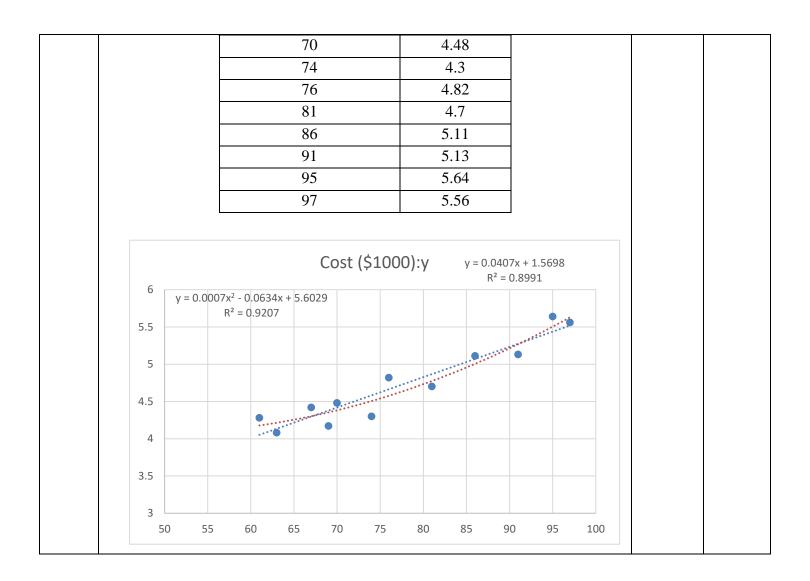
- 1. The student must write his/her name and enrolment no. in the space designated above.
- 2. The questions have to be answered in this MS Word document.
- 3. After attempting the questions in this document, the student has to upload this MS Word document on Blackboard.

| | | | | | | | | COB | |
|-----|--|---|--|--|--|---|----|-----------------|--|
| Q.1 | these custo purchases r sales orders on a small s for some in with databa recent past. out and ma done by a of Moreover that applies stat mining tool | mers. Tresult in a from ne scale. The scale of the scale | more promotion ew customers. Tile hey had only isolated to be shared. In the datamining and of the customers of the customers of the customers are more accurated to the datamining to the datamining that are more accurated to the datamber of people istical techniques | of sales and in a life recently, their ated within a defect of their up-scale far and of sitting for the database of the without the database of the available in a frequently or or frequently or or for sales and the without the database of the without the without the database of the without the database of the without th | note their productivare of the fact involve less cost to company had be epartment and took ram an informaticilities where insort hours and manuforder, these activate customers in femanual errors. The data base using their productive for customers in femanual errors. | that repeat than getting en working k long time tion system talled in the tally sorting ities can be ew minutes. The computering the data acts can be | 20 | CO ₁ | |
| | Customer Customer Date of Sales in | | | | | | | | |
| | S.No. Name City purchase Rs 1 Srikanth Mumbai 07-12-2014 4000 2 Anil Delhi 29-12-2014 3500 3 Rahul Bangalore 14-01-2015 2000 4 Vijay Kolkata 12-02-2015 2200 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | 5 Srikanth Mumbai 16-02-2015 4000 | | | | | | | | |
| | | 6 | Vivek | Mumbai | 17-03-2015 | 3000 | | | |
| | | 7 | Amar | Hyderabad | 14-04-2015 | 1900 | | | |
| | | 8 | Srikanth | Mumbai | 16-04-2015 | 4000 | | | |
| | 9 Mahesh Patna 16-05-2015 2200 | | | | | | | | |

| | | 10 | Vinod | Ch | andigarh | 18-06-2015 | 2000 | |
|-----|---|---|--|--|---|--|---|-----------------|
| | | 11 | Anil | | Delhi | 29-06-2015 | 3500 | |
| | | 12 | Suresh | | ucknow | 15-07-2015 | 1900 | |
| | | 13 | Anil | | Delhi | 29-07-2015 | 3500 | |
| | | 14 | Srikantl | h M | Iumbai | 27-08-2015 | 4000 | |
| | | 15 | Anil | | Delhi | 25-09-2015 | 3500 | |
| | | 16 | Srikantl | h M | Iumbai | 21-10-2015 | 4000 | |
| | | 17 | Anil | | Delhi | 29-11-2015 | 3500 | |
| | (b) Find (c) Find (d) Find Nov | the total the list the Diversembers | of repeated wali sales wh and has a dis | customers nich takes scount of | place duri 10% on m | ng the Octobers an arked price. | e company | |
| | customers v company in help the ma products. O be a little of | who bou the last anageme bviously difficult | ght the insur 3 years. Thi ent in takin y, Vijay feel to make th | rance pensis is the cruggi importalls the presse custome | sion produ ucial assig ant decisions ssure. At f | e satisfaction leve ct ABC Jeevan Sh nment since the re in for future regar irst, Vijay feels th | nram of his sults could rding their nat it could | |
| | this problem Vijay has the | n of gett he follo | ing the custo | omers to ta of satisfact | the custon ake the sur | ners to tale the survey seems to be so of the product Al | rvey. Thus olved. | |
| | this problem Vijay has the | n of gett he follo | ing the custo wing data of s of last 3 years | omers to ta of satisfact ars. | the custonake the sur | ners to tale the survey seems to be so of the product Al | rvey. Thus blved. BC Jeevan | |
| | this problem Vijay has the | n of gett he follo | ing the custowing data of last 3 yes | omers to ta of satisfact ars. Gender | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 | rvey. Thus blved. BC Jeevan | |
| Q.2 | this problem Vijay has the | n of gett he follo | ing the custo wing data of s of last 3 year Customer | omers to ta of satisfact ars. Gender F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | ing the custowing data of sof last 3 years Customer 1 2 | omers to ta of satisfact ars. Gender F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | ing the custowing data of sof last 3 yes Customer 1 2 3 | omers to ta of satisfact ars. Gender F F M | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | ing the custowing data of sof last 3 years. Customer 1 2 3 4 | Gender F M F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 | rvey. Thus blved. BC Jeevan | CO ₂ |
| Q.2 | this problem Vijay has the | n of gett he follo | customer 1 2 3 4 5 | Gender F M F M | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | customer Customer 1 2 3 4 5 6 | Gender F M F M M | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 | rvey. Thus blved. BC Jeevan | CO ₂ |
| Q.2 | this problem Vijay has the | n of gett he follo | customer 1 2 3 4 5 6 7 | Gender F M F M M F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 | rvey. Thus blved. BC Jeevan | CO ₂ |
| Q.2 | this problem Vijay has the | n of gett he follo | Customer 1 2 3 4 5 6 7 8 | Gender F M F M M F M M F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | Customer 1 2 3 4 5 6 7 8 9 | Gender F M F M F M F M F F F F F F F F F F F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 9 7 | rvey. Thus blved. BC Jeevan | CO ₂ |
| Q.2 | this problem Vijay has the | n of gett he follo | Customer 1 2 3 4 5 6 7 8 9 10 | Gender F M F M F M F F F F F F F F F F F F F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 9 7 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | Customer 1 2 3 4 5 6 7 8 9 10 11 | Gender F M F M F M F F F F F F F F F F F F F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 9 7 8 9 7 | rvey. Thus blved. BC Jeevan | CO_2 |
| Q.2 | this problem Vijay has the | n of gett he follo | Customer 1 2 3 4 5 6 7 8 9 10 | Gender F M F M F M F F F F F F F F F F F F F | the custonake the sur | ners to tale the survey seems to be so of the product Alection level on a sc to 10 7 8 6 9 5 7 8 9 7 | rvey. Thus blved. BC Jeevan | CO_2 |

| | | 14 | F | 9 | | |
|-----|---------------------------------|-------------------------------|------------------------|--|----|-----------------|
| | | 15 | F | 5 | | |
| | | 16 | M | 7 | | |
| | | 17 | M | 8 | | |
| | | 18 | M | 9 | | |
| | | 19 | F | 7 | | |
| | | 20 | F | 8 | | |
| | | 21 | M | 7 | | |
| | | 22 | F | 8 | | |
| | | 23 | F | 6 | | |
| | | 24 | F | 9 | | |
| | | 25 | M | 5 | | |
| | | 26 | M | 7 | | |
| | | 27 | M | 8 | | |
| | | 28 | F | 9 | | |
| | | 29 | F | 7 | | |
| | | 30 | F | 8 | | |
| | deviation in (b) Compare th | satisfaction e average sat | level of a isfaction l | shram in the last 3 years and the typical customers. evel of male and female customers | | |
| Q.3 | Video | os Res | XML earch Pape | An OLTP interface Charts Web Page HTML | 20 | CO ₃ |
| | (ii) Explain the rel Process | ationship of | BA Proce | ess and Organization Decision-Making | | |

| | The data of an im given here, find suggest in which in | | | | | |
|-----|--|-----------------|---------------|--|----|--------|
| | Industry | Sales Unites | Sales Price | | | |
| | Agriculture | 5647 | 73.5 | | | |
| | Manufacturing | 2537 | 130.84 | | | |
| | Services | 846 | 21.99 | | | |
| | Manufacturing | 455 | 137.39 | | | |
| | Agriculture | 2467 | 7.85 | | | CO_3 |
| 0.4 | Construction | 9345 | 280.69 | | 20 | |
| Q.4 | Services | 3446 | 104.09 | | 20 | & |
| | Agriculture | 8946 | 269.09 | | | CO_4 |
| | Manufacturing | 7346 | 221.41 | | | |
| | Construction | 2744 | 83.29 | | | |
| | Agriculture | 6957 | 208.69 | | | |
| | Services | 2475 | 4.24 | | | |
| | Manufacturing | 5455 | 17.03 | | | |
| | Construction | 9244 | 277.54 | | | |
| | Agriculture | 1057 | 28.41 | | | |
| | Construction | 7757 | 233.33 | | | |
| | Services | 2257 | 68.07 | | | |
| | Manufacturing | 2055 | 62.37 | | | |
| | Construction | 5657 | 168.87 | | | |
| | Services | 1157 | 34.42 | | | |
| | cost of flying usi | ng number | of passengers | and regression equation to predict the are given in figure 1 | | |
| | cost, regression l | | | n between number of passengers and ded by figure 1. | | |
| Q.5 | | 20 | CO_4 | | | |
| | | | | | | |
| | | | 61 | 4.28 | | |
| | | | 63 | 4.08 | | |
| | | | 67 | 4.42 | | |
| | | | 69 | 4.17 | | |



ANSWERS