



QP CODE: 23123420

Reg No :

Name :

**B.VOC DEGREE REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MAY 2023**

Fourth Semester

B.Voc Business Accounting and Taxation

TBOC403 - STATISTICS FOR ANALYSIS

2018 Admission Onwards

E7F5487B

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. List the two basic divisions of statistics.
2. List the fields where a statistic can be used?
3. Distinguish between histogram and bar diagram.
4. Distinguish between frequency curve and frequency polygon.
5. Arithmetic mean of 100 item is 34. At the time of calculation three items 118, 70, 19 were wrongly taken as 180, 17 and 90. What is correct mean?
6. Define a statistical average.
7. What are the features of an average?
8. Discuss common size income statement.
9. What is common size statement?
10. Discuss the guidelines for interpretation of income statement
11. What are short term fluctuations?
12. Compute trend using semi average method
Year Price 2005 1000 2006 1500 2007 1700
2008 1400 2009 1300 2010 1100 2011 1600 2012 1400 2013 1600 2014 1800 2015 1000

(10×2=20)

Part B



Answer any **six** questions.

Each question carries **5** marks.

13. Which are the important Statistical methods?
14. Explain how Statistics is important?
15. The table shows favorite colors of 18 people. Display the information as a pie Color
Frequency Red 3 Blue 4 Green 6 Yellow 5
16. The profits in thousands of dollars of an industrial house for 2002, 2003, 2004, 2005,
2006, 2007 and 2008 are 5, 8, 9, 6, 12, 15 and 24 respectively. Represent these data
using a suitable diagram.
17. X F 10 – 20 4 20 – 30 7 30 – 40 16 40 – 50 20 50 – 60 15 60 - 70 8 Compute mean.
18. From the following data calculate mean X F 0 - 10 5 10 - 20 10 20 - 30 25 30 - 40 30 40 -
50 20 50 - 60 10
19. Calculate the trend percentages from the following figures of Samir Auto Ltd. Taking 2010
as the base and interpret them: Year 2010 2011 2012 2013 2014 Sales (Rs.in Thousand)
2,000 2,200 2,500 3,000 3,900 Profit After tax (Rs.in Thousand) 250 285 310 320 340
20. From information is related to share price of reliance jio for the first week of June 2020.
Draw trend line. Day price 1.03.2020 110 2.03.2020 112 3.03.2020 114 4.03.2020 111
5.03.2020 115 6.03.2020 113 7.03.2020 118
21. What are moving average?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Discuss the scope, utility and limitations of statistics.
23. Populations Over Time (millions) Country 1980 1990 2000 France 55 56 65 United
Kingdom 50 53 63 Mexico 65 78 80 Nigeria 60 82 85 Pakistan 57 65 74. Construct a Bar
diagram.
24. What are the different method used for analysis and interpretation of financial statement?
25. Use least square method for trend calculation Year Fuel 1991 80 1992 90 1993 92 1994
83 1995 94 1996 99 1997 92 1998 104 Total 734.

(2×15=30)