

QP CODE: 22103910



Reg No :

Name :

**B.VOC DEGREE REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
NOVEMBER 2022
Fourth Semester**

B.Voc Business Accounting and Taxation

TBOC403 - STATISTICS FOR ANALYSIS

2018 Admission Onwards

83092DAF

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Explain meaning of statistics.
2. Briefly explain the limitations of statistics.
3. Which are the commonly used frequency graph? Explain any two of them.
4. Draw frequency polygon to the following frequency distribution.

Marks	10-20	20-30	30-40	40-50	50-60	60-70
No of students	5	8	15	20	12	7
5. If a sample of size 22 items has a mean of 15 and another sample of size 18 items has a mean of 20, find the mean of combined sample.
6. A house wife uses 10 kg wheat, 20 kg fuel, 5 kg sugar and 2 kg oil. Price of these items are 1.5, .5, 2.8 and 10. Taking quantities as weight find out WAM.
7. Calculate mean deviation from median and its coefficient for the following values.
5, 28, 33, 44, 83, 87, 96, 99, 25, 35, 82
8. Write a brief note on comparative statements.
9. Explain the limitations of financial statement analysis.
10. Briefly explain the objectives of financial statement analysis.
11. List out components of time series.



12. Year 2000 2001 2002 2003 2004 2005
Sales 1200 1700 1300 2000 1900 1500 .
Compute trend using semi average method.

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. How is statistics misused?
14. Mention limitation of statistics.
15. The monthly profit in rupees of 100 business concern are distributed as follows.
- | | | | | | | |
|--------------------|--------|-----------|-----------|-----------|-----------|-----------|
| Profit | 0-1000 | 1000-2000 | 2000-3000 | 3000-4000 | 4000-5000 | 5000-6000 |
| No of business man | 12 | 18 | 27 | 20 | 17 | 6 |
- Draw a histogram and find the mode.
16. The cropping pattern in Tamil Nadu in the year 1974-75 was as follows. Construct Bar Diagram Crops Area In 1,000 hectares Cereals 3940, Oilseeds 1165 Pulses, 464 Cotton 249 Others 822
17. X 10 – 20 20 – 30 30 – 40 40 – 50 50 – 60 60 – 70
F 4 7 16 20 15 8 Compute mean.
18. Mr. Bell gave out a science test last week to six honors students. The scores were 88, 94, 80, 79, 74, and 83. What is the standard deviation of the scores? (Round to the nearest tenth.)
19. Explain the use of ratio analysis
20. Differentiate secular and seasonal trend
21. What are linear and non linear method

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. What is statistics? Narrate the limitation of statistics
23. The table below shows the quantity in hundred kgs of wheat, barley and oats produced in a certain form during the years 1991 to 1994.
- | | | | | |
|-------|------|------|------|------|
| Years | 1991 | 1992 | 1993 | 1994 |
| Wheat | 34 | 43 | 43 | 45 |



Barley	18	14	16	13
Oats	27	24	27	34

Construct a component bar chart to illustrate this data.

24. Explain the procedure of financial statement analysis
25. Fit a trend line using least square method and also predict the sales amount for 2009.

Year	2002	2003	2004	2005	2006	2007	2008
Sales	60	72	75	65	80	85	90

(2×15=30)