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QP CODE: 24021714



Reg No :

Name :

**B.VOC DEGREE REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MAY 2024**

Fourth Semester

B.Voc Business Accounting and Taxation

TBOC403 - STATISTICS FOR ANALYSIS

2018 Admission Onwards

85F9B03D

Time: 3 Hours

Max. Marks : 80

Part A

Answer any **ten** questions.

Each question carries **2** marks.

1. What is Statistics?
2. Explain how Statistics is important to business and industry.
3. The table shows the daily earnings of a store for five days.

Day	Mon	Tues	Wed	Thurs	Fri
Earnings	300	450	200	400	650

- a) Construct a line graph for the frequency table. b) On which days were the earnings above \$ 400.
4. Write notes on Ogive Curve.
5. Find median of the following values.
4, 45, 60, 20, 83, 19, 26, 11, 27, 12, 52.
6. Find mean deviation from mean and its coefficient for the following values.
25, 63, 85, 75, 62, 70, 83, 28, 30, 12.
7. What are the desirable properties of a good measure of dispersion?
8. What are the types of financial analysis?
9. What is projected ratio?
10. Briefly explain the guidelines for interpretation of comparative balance sheet.
11. Mention linear and non linear trend.



12.

Year	2000	2001	2002	2003	2004	2005	2006	2007
Sales	64	82	97	71	78	112	115	131

Fit a trend line using free hand method.

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. State the two different meanings of the word 'Statistics'.
14. What are the different characteristics of Statistics as numerical facts?
15. 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.
16. Explain how histogram are drawn when class intervals are not uniform.
17. The mean score of a group of 20 students is 65. Two other students whose scores are 89 and 85 were added to the group. What is the new mean of the group of students?
18. Mr. Abin is a tuition teacher. The details of his working hours in a week is given below. 8, 5, 6, 3, 9, 2, 5.
Compute mean deviation from the data using median.
19. Prepare common size statement and interpret the result.

Particulars	2010	2011
Gross sale	725000	815000
Sales return	25000	15000
Cost of sale	595000	615000
Selling expense	23000	24000
Administrative expense	12700	12500
Operating income	69300	148500
Other income	1200	8050
Non operating expense	1750	1940

20. Annual power consumption per household in certain locality was reported below.

Year	1991	1992	1993	1994	1995	1996	1997	1998	1999
Price	50	53	51	54	58	56	59	55	60

Draw trend line using free hand method and interpret the result.



21. From the following series of annual data find the trend values by using 3 year moving average.

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Value	170	231	261	264	278	302	289	297	340	273

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain the concept distrust of Statistics.
23. During 2004-08 the number of students in university X are as follows:
Represent the data in bar diagram.

Year	2004	2005	2006	2007
Arts	18000	20000	26000	31000
Science	9000	10000	9000	9500
Law	4000	5000	7000	7500

24. Explain the classification of ratio analysis.
25. Compute trend.

Year	1975	1980	1985	1990	1995	2000
Profit	10	13	15	20	22	28

(2×15=30)