

Only for 2021
to 2023 AD
admitted
Students

NC-25-Set 1
ED: 2082-03-23
T: 10:00 - 12:00

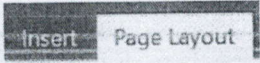
TRIBHUVAN UNIVERSITY
FACULTY OF MANAGEMENT
Office of the Dean
July 2025

Full Marks: 40
Pass Marks: 20
Time: 2 Hrs.

BBA / BIM / BBM / Third Semester / STT 201: Business Statistics

Candidates are required to answer all the questions using MS-Excel. The figures in the margin indicate full marks.

Important instructions

1. Write your name and roll number in question paper.
2. Create new folder on the **Desktop** and rename it with your symbol number.
3. Open a new Excel spreadsheet, click on **Page Layout**  on the **Ribbon**, then click on **Print**  **Print**  of **Gridlines** and **Heading**. Set up **Scale**  Scale: 100%  at 75%.
4. Place the cursor on the middle icon **Page Layout**  of right bottom near **Zoom Tool**, click on it and again click on **Add header** and type your symbol number in header, so that answer sheet won't be misplaced.
5. Before typing your answer, press **Ctrl + S**, save your spreadsheet (your file) in the folder renamed with symbol number.
6. Make sure that you should not type beyond the last column of active spreadsheet.
7. For each and every calculation, don't forget to press **Ctrl + S** to save your essential work.
8. You should submit your hard copy (print) with your signature.

Practical Exam Questions Using MS-Excel

- 1) Draw a pie-chart from the following information: [4]

Particular	Rent	Food	Education	Fuel	Health	Others.
Percent	20	35	15	10	15	5

- 2) Calculate the Karl Pearson's correlation coefficient from the following data. [5]

X	57	50	42	37	44	60	52	34	59	47
Y	54	55	50	39	41	35	48	46	54	45

- 3) Fit binomial distribution to the following data : [5]

X	0	1	2	3	4
f	25	45	15	10	5

- 4) A random sample of 100 gave a mean of 20 kg and standard deviation of 5 kg. Find 95% confidence limits for the population mean. [5]

- 5) Find the coefficient of variation of the distribution. [5]

303	305	306	307	309	312	315	319	325	331	341	353
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

- 6) Find the value of mode and median from the following distribution:

[5]

32	33	34	35	36	37	38	39	30	31	32	32	33	34	35	35	37	38	39	40
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

- 7) The following information shows the daily wages (00Rs) of workers of certain locality of Nepal. Calculate the percentile coefficient of kurtosis and interpret the data:

[5]

6	8	9	10	11	12	13	14	15	17	18	19	21	21	22	23	24	25	27	27
---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

- 8) A random sample of 150 students is found to have a mean weight of 52 kg. Test hypothesis that the mean weight of the population is 54 kg with standard deviation of 9 kg at 5% level of significance.

[6]

