

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** of **Gridlines** and **Heading**. Set up **Scale** 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) The following data shows the number of students of MBS classes of two campuses. Draw a multiple bar diagram from the data: [4]

Year	2020	2021	2022	2023	2024	2025
Campus A	48	40	42	40	45	43
Campus B	49	47	48	49	47	40

- 2) The following table shows the age (in year) of couples of a locality: [5]

Husband	66	75	54	69	62	61	60	62	77	73
Wife	62	72	52	67	60	58	57	60	70	89

Find the Karl person's correlation coefficient between age of husband and wife.

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

X	0	1	2	3	4	5
Frequency	150	140	70	30	2	1

- 4) A random sample of size 150 has been drawn from a population with standard deviation 20. The mean of the sample is 175. Calculate 95% confidence limits for the population mean. [5]

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

[5]

22	24	27	28	29	31	33	34	35	36	38	39	40	41	42	43	44	45
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- 6) Find the value of mode and median from the following distribution:

[5]

53	57	58	60	62	63	64	64	78	80	81	82	86
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- 7) Calculate percentile coefficient of kurtosis and interpret the data.

[5]

35	36	37	38	39	40	41	42	43	45	46	47	48	49	50	51	53	55	60
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- 8) A random sample of 300 students is found to have a mean marks of 75. Test hypothesis that the mean marks of population 72 with standard deviation 7 at 5% level of significance.

[6]

