

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** ☐ **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 sub-divided bar diagram from the following Profit (in million Rs) related data: **[4]**

Year	2019	2020	2021	2022	2023	2024
Company A	40	37	35	33	36	40
Company B	30	41	33	35	31	42

- 2) The following table shows the marks in Accountancy and Finance of 10 students of a campus: **[5]**

Accountancy	65	78	59	69	62	61	70	72	77	75
Finance	82	72	62	77	60	73	65	54	72	69

Find the Karl Pearson's correlation coefficient between marks in Accountancy and Finance.

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

Values of X	0	1	2	3	4
f	48	84	46	20	2

- 4) A random sample of size 150 has been drawn from a population with standard deviation 4. The mean of the sample is 170. Calculate 95% confidence limits for the population mean. **[5]**

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

[5]

43	44	47	48	49	51	53	54	55	56	58	59	60	61	62	63	64	65
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- 6) Find the value of mode and median from the following distribution:

[5]

54	57	58	60	62	63	64	64	68	70	71	72	75
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- 7) Calculate percentile coefficient of kurtosis and interpret the data:

[5]

24	26	27	28	29	30	31	32	33	35	36	37	38	39	40	41	53
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- 8) A random sample of 150 students of a campus is found to have a mean weight of 51.18 kg. Test hypothesis that the mean weight of population 52.30 kg with standard deviation 4.10 kg at 5% level of significance.

[6]

