Ref. No. ....   Date: ....

NOTICE

This is for information to all concerned students of FYUG 2nd Semester of Department of Business Administration, that the Practical Examination of BBA SEC 151 (P), i.e., Quantitative Analysis Tools – I will be taken in Assignment mode for the FYUG Even Semester Examination, 2024 of Assam University Silchar.

Thus in this regard, all the students are hereby notified to go through the Detailed Instructions and the Question Paper attached herewith carefully to prepare and submit the Assignment to the Department of Business Administration before 03rd of July, 2024 any day from 10 a.m. to 4 p.m. positively without fail.

24.06.2024

Coordinator
Department of Business Administration
Gurucharan College Silchar

Copy to :

1. Principal, Gurucharan College Silchar.

2. Departmental Notice Board.

3. Office File.

24.06.2024

Coordinator
Department of Business Administration
Gurucharan College Silchar

Instructions to the Students :

1. Use only Blue Ball Point Pens for writing the answers.

2. Write the answers on only one side of each A4 Paper, with 1 Inch Margin on all sides.

3. The Front Page of the Assignment must include Semester, Name of Exam, Paper Code, Paper Name, Registered Whatsapp Number, Assam University Registration Number with Year, Assam University Roll Number of 2nd Semester.

4. Don't use any Plastic Materials for submitting the Assignment.

5. Submit the Assignment to the Department of Business Administration within 03rd of July, 2024 any day from 10 a.m. to 4 p.m.

Answer the following questions (any five) :   **5 X 6 = 30**

1. For a distribution, Karl Pearson's Coefficient of Skewness is 0.4, Coefficient of Variation is 30 and Mode is 88. Compute the Mean, Median, Standard Deviation, Co-efficient of Standard Deviation and Variance for the distribution.

2. A Television Channel Programme Manager wants to know whether there are any significant differences among Male and Female viewers between the types of the Television Programme they watch. A survey conducted for the purpose gives the following results :

Type of Television Programme	Viewers Gender		
	Male	**Female**	**Total**
News	30	10	40
Serials	20	40	60
Total	50	50	100

Calculate the Chi-Square Test Statistic and determine whether the type of Television Programme is Independent of the viewers' Gender. Take 0.10 as Level of Significance.

3. The two Regression Equations are given as 8x – 10y + 66 = 0 and 40x – 18y – 214 = 0 and the Variance of x is 9. Compute the Mean of x and y, Correlation coefficient between x and y and Standard Deviation of x and y.

4. Prove that Fisher's Ideal Index Number satisfies both Time Reversal Test and Factor Reversal Test.

5. Fit a Linear Trend Equation to estimate the production for the year 2003 and also compute the
    Trend Values and Detrended Values for the following data :

Year	1997	1998	1999	2000	2001	2002
Production	101	107	113	121	136	148

6. Prove that the Maximum Value of $x + \dfrac{1}{x}$ is less than that of its Minimum Value.