G.R. No.	
Y.	

## MAY 2022 - ENDSEM EXAM FINAL. YEAR B. TECH. (CIVIL) (SEMESTER - II) COURSE NAME: BUSINESS ANALYTICS **COURSE CODE: IOEUA40184F** (PATTERN 2018)

Time: [1Hr]

[Max. Marks: 30]

- (\*) Instructions to candidates:
- Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- Use suitable data where ever required

Question	Question Description	Marks	CO	Blooms
No.			mapped	Taxonomy
				Level
Q.1 a	Simplify the use of Power BI Gateway in detail and also importance of Power BI Mobile.	4	4	Analyzing
Q.1 b	Justify the necessity of data transformation and also distinguish some advance data transformations in Power BI	6	4	Evaluating
	OR			
Q2 a.	Identify the importance of Power BI Service	4	4	Applying
Q2 b	Simplify YTD QTD and MTD with suitable examples and develop DAX to calculate it	6	4	Analyzing
Q.3 a	Identify the significance of regression analysis with examples	4	5	Applying
Q.3 b	A study is conducted to determine whether students' first year GPA (Y) can be predicted by their ACT score (X). A random sample of n=120 freshmen from a small college were selected. The following EXCEL output gives the results of a simple linear regression on the data.  a. Develop the regression equation for predicting GPA as function of ACT score  b. Determine the predicted GPA for student scoring 20 on the ACT?  c. Relationship whether positive or negative between GPA and ACT exists?  d. Identify predictor and target variable?	6	5	Applying, Analyzing, Evaluating

	Regression Statistics			
Q.4 a	Simply the significance of the term central tendency with	4	5	Analyzing
	examples	•		7 may zmg
Q.4 b	A commercial real estate company is interested in the relationship between properties' rental prices (Y), and the following predictors: building age, expenses/taxes, vacancy rates, and square footage. The results for a regression are given below.    Regression Statistics   Multiple R   0.7647     R Square   0.5847		6 5	Applying, Analyzing, Evaluating
Q.5 a	Distinguish the importance of Tableau architecture with neat diagram?	4	6	Analyzing
Q.5 b	Justify the Business analytics role in detail played in HR management.	6	6	Evaluating
060	OR Simplify the significance of all tableau modulets	1	16	Α1
Q.6 a Q.6 b	Simplify the significance of all tableau products.  Justify Business analytics role in detail played in educational industry.	6	6	Analyzing Evaluating