

Total No. of Questions – [06]

Total No. of Printed Pages: 1

G.R. No. Paper Code: 

**MAY 2022 – END SEM EXAM**  
**B. TECH. (INFORMATION TECHNOLOGY) (SEMESTER - II)**  
**COURSE NAME: PROFESSTIONAL ELECTIVE –II**  
**(DATA ANALYTICS AND SCIENCE)**  
**COURSE CODE: ITUA40182C**  
**(PATTERN 2018)**

**Time: [1Hour]****[Max. Marks: 30]****Instructions to candidates:**

- 1) 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
- 4) Use suitable data where ever required

Q. No		Question Description	Marks	CO mapped	Blooms Taxonomy Level
1	a	Analyse the Decision Tree Algorithm	4	4	Analyse
1	b	Construct and Explain with one example how decision tree is constructed using ID3 algorithm?	6	4	Create
OR					
2	a	Analyse the Naive Bays Classifier	4	4	Analyse
2	b	Construct and explain how Naive Baye's classification works? Give its applications.	6	4	Create
OR					
3	a	Differentiate different data visualization technique	4	5	Analyse
3	b	Compare different data visualization technique	6	5	Evaluate
OR					
4	a	Compare different types of Conventional data visualization tools	4	5	Analyse
4	b	Compare analytical techniques used in Big data visualization	4	5	Evaluate
OR					
5	a	Discuss Analytics for unstructured data	6	6	Create
5	b	Elaborate the role of Job and Task tracker in the execution and processing of job within Hadoop environment, with architecture	6	6	Create
OR					
6	a	Discuss Hadoop Ecosystem in detail	6	6	Create
6	b	Elaborate on role of Sorter, Shuffler and Combiner in Map reduces Paradigm?	6	6	Create