



# St. Francis Institute of Technology

(Engineering College)

An Autonomous Institute, Affiliated to University of Mumbai

NAAC A+ Accredited | CMPN, EXTC, INFT NBA Accredited | ISO 9001:2015 Certified

## Department of Computer Engineering

### ISE 2B (Home Assignment)

**Academic Year:** 2025-2026

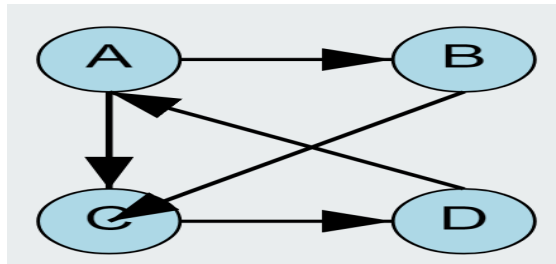
**Class/Branch:** TE-A & C/CMPN

**Subject:** CSC504 -Data Warehousing and Mining

**Submission Date:** 27/10/2025

**Time :** 1.00 PM to 2.00 PM

**Marks -** 10 marks

Sr No	Questions	Marks	CO																				
1.	<p>Compute page rank at every node at the end of the second iteration. use teleportation factor = 0.8</p> 	5M	CO6																				
2.	<p>Consider transaction dataset for all electronics Branch given below .</p> <p>Transactional data for an AllElectronics branch.</p> <table><thead><tr><th>TID</th><th>List of item_IDs</th></tr></thead><tbody><tr><td>T100</td><td>I1, I2, I5</td></tr><tr><td>T200</td><td>I2, I4</td></tr><tr><td>T300</td><td>I2, I3</td></tr><tr><td>T400</td><td>I1, I2, I4</td></tr><tr><td>T500</td><td>I1, I3</td></tr><tr><td>T600</td><td>I2, I3</td></tr><tr><td>T700</td><td>I1, I3</td></tr><tr><td>T800</td><td>I1, I2, I3, I5</td></tr><tr><td>T900</td><td>I1, I2, I3</td></tr></tbody></table> <p>Use Apriori Algorithm with minimum support 2 and Minimum confidence 60 % to find all frequent itemset and strong association Rules.</p>	TID	List of item_IDs	T100	I1, I2, I5	T200	I2, I4	T300	I2, I3	T400	I1, I2, I4	T500	I1, I3	T600	I2, I3	T700	I1, I3	T800	I1, I2, I3, I5	T900	I1, I2, I3	5M	CO5
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**Ms.Varsha Nagpurkar**  
**Subject In-Charge**

**Ms. Prachiti Pimple**  
**Subject In-Charge**