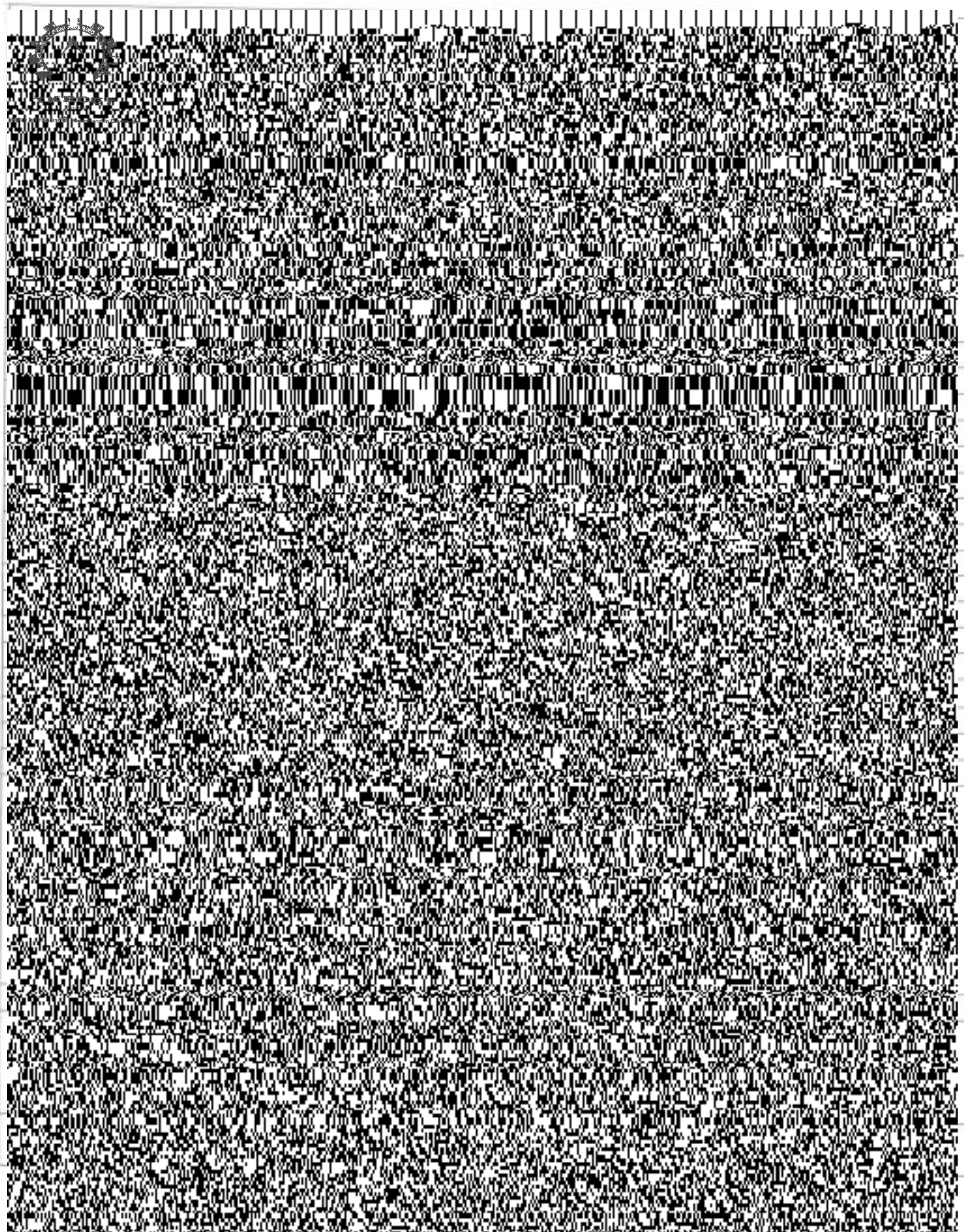




	support=60% confidence=80%																																							
	<table><tr><td>Tid</td><td>items</td></tr><tr><td>T1</td><td>{M,O,N,K,E,Y}</td></tr><tr><td>T2</td><td>{D,O,N,K,E,Y}</td></tr><tr><td>T3</td><td>{M,A,K,E}</td></tr><tr><td>T4</td><td>{M,U,C,K,Y}</td></tr><tr><td>T5</td><td>{C,O,O,K,I,E}</td></tr></table>	Tid	items	T1	{M,O,N,K,E,Y}	T2	{D,O,N,K,E,Y}	T3	{M,A,K,E}	T4	{M,U,C,K,Y}	T5	{C,O,O,K,I,E}																											
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T5	{C,O,O,K,I,E}																																							
	OR																																							
16	a) Explain Apriori algorithm for mining association rules b) generate frequent itemset in below transactional dataset using apriori algorithm (min-sup=40% min-conf=70%) <table><tr><td>Tid</td><td>Items brought</td></tr><tr><td>T1</td><td>Bread, butter, milk</td></tr><tr><td>T2</td><td>Bread, butter</td></tr><tr><td>T3</td><td>Biscuits, cookies,diapers</td></tr><tr><td>T4</td><td>Bread, butter, milk, diapers</td></tr><tr><td>T5</td><td>Biscuits,diapers</td></tr></table>	Tid	Items brought	T1	Bread, butter, milk	T2	Bread, butter	T3	Biscuits, cookies,diapers	T4	Bread, butter, milk, diapers	T5	Biscuits,diapers	5M 5M	3	L2																								
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17	What is Bayesian belief network ?explain with an example	10M	4	L2																																				
	OR																																							
18	Write KNN classification algorithm with an example	10M	4	L2																																				
19	a) write about evaluation of clustering algorithms b) write the key issues in hierarchical clustering algorithm	5M 5M	5	L2																																				
	OR																																							
20	Explain agglomerative methods and construct a dendrogram for below distance matrix using single linkage <table><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>1</td><td>0</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>9</td><td>0</td><td></td><td></td><td></td></tr><tr><td>3</td><td>3</td><td>7</td><td>0</td><td></td><td></td></tr><tr><td>4</td><td>6</td><td>5</td><td>9</td><td>0</td><td></td></tr><tr><td>5</td><td>11</td><td>10</td><td>2</td><td>8</td><td>0</td></tr></table>		1	2	3	4	5	1	0					2	9	0				3	3	7	0			4	6	5	9	0		5	11	10	2	8	0	10M	5	L2
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