

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc (SS) DEGREE EXAMINATION DECEMBER 2025
(Fifth Semester)

Branch – **SOFTWARE SYSTEMS (Five Years Integrated)**

DATA MINING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

Cont..

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline the types of data in data preprocessing. (OR)	K2	CO1
	11.b.	Explain the data smoothing techniques in preprocessing.		
2	12.a.	Apply the multidimensional data model in OLAP technology. (OR)	K3	CO2
	12.b.	Identify & explain the components of data warehouse architecture.		
3	13.a.	Identify the correlation measures in association mining with examples. (OR)	K3	CO3
	13.b.	Apply density-based clustering for a dataset.		
4	14.a.	Examine the sources of MVTs data in sequence mining. (OR)	K4	CO4
	14.b.	Analyze approaches for mining MVTs data.		
5	15.a.	Compare spatial data mining with traditional mining. (OR)	K4	CO5
	15.b.	Examine the categories of web mining with examples.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine the role of data cleaning and its impact on mining accuracy.	K4	CO1
2	17	Compare and contrast OLAP operations in data warehouse models.	K4	CO2
3	18	Inspect the use of boosting versus stacking in prediction.	K4	CO3
4	19	Analyze the constraints and their effects in sequence mining.	K4	CO4
5	20	Analyze the applications of text mining in trend analysis.	K4	CO5