

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

Branch – COMPUTER TECHNOLOGY

DATABASE MANAGEMENT CONCEPTS

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

 $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline on database languages.	K2	CO5
		(OR)		
2	12.a.	Examine the concept of Data Manipulation in databases.	K3	CO5
		(OR)		
3	12.b.	Discuss about modifying the structure of a table.	K3	CO3
	13.a.	Explain the different types of data constraints in SQL with examples.		
4		(OR)	K4	CO3
	14.b.	Explain the process of creating a trigger in SQL. Include the basic syntax and an example.		
5	15.a.	Distinguish Mongo DB datatypes.	K4	CO1
		(OR)		
	15.b.	How to create and update documents in Mongo DB? Explain.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$

Module No.	Question No.	Question	K Level	CO
1	16	Explain database normalization and its importance.	K4	CO1
2	17	Evaluate the removing, deleting, and dropping of tables in SQL with examples.	K4	CO4
3	18	Explain the different types of SQL joins with examples.	K4	CO3
4	19	Explain the advantages of using stored functions in DBMS.	K4	CO2
5	20	Discuss on Mongo DB collections.	K4	CO5