

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION MAY 2026
(Third Semester)

Branch – COMPUTER APPLICATIONS

RELATIONAL DATABASE MANAGEMENT SYSTEMS

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	It leads to data ____; that is, the various copies of the same data may no longer agree. a.info b. inconsistency c. key d. integrity	K1	CO1
	2	Each ____ has multiple columns and each column has a unique name. a. value b. primary key c. table d. dimension	K2	CO1
2	3	An ____ is a “thing” or “object” in the real world. a. table b. key c. entity d. set	K1	CO2
	4	____ data model was developed for specification of an enterprise schema. a. network b. E-R c. tree d. hierarchy	K2	CO2
3	5	____ is not a set operation. a. Union b. Intersection c. Difference d. Select	K1	CO3
	6	____ normal form is formal definition of a relation in the basic relational model. a. First b. Second c. Third d. Boyce	K2	CO3
4	7	____ is concatenation operator for string in SQL. a. + b. c. * d.	K1	CO4
	8	____ is a single table that is derived from other tables. a. trigger b. view c. table d. row	K2	CO4
5	9	Database language in SQL is called the ____ sublanguage. a. trigger b. host c. process d. data	K1	CO5
	10	JDBC means ____ Data Base Connectivity. a. Java b. Join c. Journal d. Joint	K2	CO5

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.	List out the disadvantages of file processing system.	K2	CO1
	(OR)			
	11.b.	Explicate data abstraction.		
2	12.a.	Enumerate the major components E-R diagrams.	K2	CO2
	(OR)			
	12.b.	Classify types of attributes.		
3	13.a.	Apply unary relational operations.	K3	CO3
	(OR)			
	13.b.	Identify general definition of third normal form.		
4	14.a.	Explicate how to specify constraints in SQL.	K4	CO4
	(OR)			
	14.b.	List the additional features of SQL.		
5	15.a.	Point out approaches to database programming.	K4	CO5
	(OR)			
	15.b.	Inference on cursor.		

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	Illustrate database languages.	K2	CO2
2	17	Determine constraints in E-R model.	K3	CO2
3	18	Demonstrate relational algebra operations from set theory.	K3	CO3
4	19	Classify complex queries in SQL.	K4	CO4
5	20	Analyze SQLJ.	K4	CO5