BHARATIYA VIDYA BHAVAN'S V M PUBLIC SCHOOL, VADODARA

QUESTION BANK
SUB: COMPUTER SCIENCE(083)

CHAPTER 9 DATABASE CONCEPTS
1 mark questions

Q1. Define the terms:
i. Database Abstraction ii.
Data inconsistency
iii. Conceptual level of database implementation/abstraction iv.
Primary Key
v. Candidate Key vi.
Relational Algebra
vii. Domain viii.
Projection ix. degree
x. cardinality

Q2 Write the purpose of following relational algebra statements: i.
σ price>50 (PRODUCTS).
ii. σ city='Chennai' (PRODUCTS)
iii. σ price>20 ^ price <45(SALES)

Q3 Write the expression in relational algebra to :
i. Show the tuples from PRODUCT table where cost of the product is more than5000.
ii. Show the tuples from PRODUCT table where product_name is 'TV'. iii. Show the tuples pertaining to prices between 55 and 100 from the table Items. iv. Show the tuples whose price is more than 55 or qty<10 from the table Items. v. Show the supplier_name, city where price is more than 1000 from the table Items.