

Department of Technical Education and Training NVQ Level 05 Written Examination - November 2013 (Semester I) National Diploma in Information & Communication Technology Database Systems I 5S1NVQ 001 Three Hour Instructions: Answer four (04) questions.	23
National Diploma in Information & Communication Technology Database Systems I 5S1NVQ 001 Three House	23
Database Systems I 5S1NVQ 001 Three Hour	
Instructions: Answer four (04) questions.	s
Instructions: Answer four (04) questions. (This paper consists of 02 pages)	
Give two advantages and two disadvantages of DBMS (10 Man	ks)
 Explain what is meant by data consistency, data integrity and data redundar 	су
(15 Mar	ks)
 i. Describe briefly 	
Keys, relationships and cardinality (10 Mar.)	
Data normalisation (05 Mar)	ks)
 Give two advantages and two disadvantages of relational database model (10 Mar 	ke)
(10 Iviai	K3)
3. Attributes of Student, Course and Section entities are given below.	
Student (Name, StudentID, Class, DeptName)	
Course (CourseName, CourseID, CreditHours, DeptName)	
Section (SectionID, CourseID, Year, InstructorID)	
Draw a suitable E-R diagrams with suitable relations. (25 Mar	ks)
 Consider the following suppliers details and other corresponding details. The catalog relation the prices charged for parts by suppliers. 	ists
 Suppliers (SupplierID: Integer, SupplierName: string, Address: string, TeleNo: string) 	
 Parts (PartID: Integer, PartName: string, Color: string) 	
 Catalog (SupplierID: integer, PartID: integer, Cost: real) 	
Write SQL statement to	
i. Create "Suppliers", "Parts" and "Catalog" tables (12 Mar	ks)
ii. Add a new record to the "Suppliers" table (07 Mar	ks)
iii. Delete all suppliers who supply green color parts. (06 Mar	ks)

Scanned with CamScanner

5. Use relational tables in question 4;

Write SQL statement to

- i. Display all SupplierName and TeleNo (05 Marks)
- ii. Display all Part details where the part color is blue (05 Marks)
- iii. Display all SupplierID's of suppliers who supply a red and a green color part. (07 Marks)
- iv. Display all suppliers who supply parts where the cost is greater than 300 rupees. (08 Marks)