Goa Vidyaprasarak Mandal's GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS, PONDA - GOA B.C.A. (SEMESTER- III) EXAMINATION, OCTOBER 2019 DATABASE MANAGEMENT SYSTEM

DATABASE MANAGEMENT SYSTEM Duration: 2hrs	Marks: 50
<u>Instructions:</u> a) All the questions are compulsory. b) Draw diagram with pencil wherever necessary.	
 Q1.A) Select the correct option and rewrite the statement. 1) In the normal form, a composite attribute is control to individual attributes a) First b) Second c) Third d) Fourth 	
 Relational Algebra is a query language that ta relations as input and produces another relation as an outp query. 	
 a) Relational b) Structural c) Procedural d) Fundamental 3) An is a set of entities of the same type that shar properties, or attributes. a) Entity set b) Attribute set c) Relation set d) Entity model 4) Which one of the following is used to define the structure or relation, deleting relations and relating schemas? 	
 a) DML(Data Manipulation Langauge) b) DDL(Data Definition Langauge) c) Query d) Relational Schema 5) Which one of the following provides the ability to query info from the database and to insert tuples into, delete tuples fr modify tuples in the database? a) DML (Data Manipulation Langauge) c) Query b) DDL (Data Definition Langauge) d) Relational Sc 	om and
 Q1.B) Answer the following. 1) Define Dbms? 2) List the user of dbms? 3) Define Domain ? 4) Define Normalization? 5) List the different Keys available in dbms? 	(5*1=5)
 Q2. Answer the Following. A) What are advantages of DBMS over traditional file based s B) Difference between OLAP and OLTP. C) Explain with proper example 1st, 2nd and 3rd Normal form. 	(10) ystems? (2) (3) (5)
 Q3 Answer the following. A) What are the differences between DDL, DML and DCL in SOB) Explain the concept of ACID properties in DBMS? C) Explain with proper application Concept of Data Mining? 	(10) QL? (2) (3) (5)
 Q4. Answer the Following. A) What is the difference between having and where clause? B) What are the different levels of abstraction in the DBMS? C) Explain with Proper application concept of Data warehouse 	(10) (2) (3) e? (5)
 Q5. Answer the Following. A) What is Data Model ? B) Explain Data mart. C) Explain Distributed Database with proper Example? XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(10) (2) (3) (5)