

**(2)**

- (b) Differentiate between DDL and DML commands.
- (c) What is primary key? Explain.
- (d) Discuss about the database schema.
- (e) What is data independence? Discuss.
- (f) List out any three features of Database.
- (g) Differentiate between 2GL and 3GL of languages.
- (h) Name and describe the four basic data types used in C language.
- (i) What is difference between compilation and execution of Program?
- (j) What is an expression? What kind of information is represented by an expression in C language.

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**(3)**

Unit-I

- 2. What do you understand by Database? Discuss advantages and disadvantages of DBMS.
- 3. What is ER-Model? Explain various components of ER Model.

Unit-II

- 4. What is Entity and Attributes? what are different types of relationships that can exist between sets?
- 5. Differentiate between 3NF and BCNF.

Unit-III

- 6. Write DBMS command instructions for creating a student table with their Roll No, Name, F Name and course. Insert two rows and Display all records.
- 7. Discuss about database security and what are ways to achieve database security. Explain.

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(4)

Unit-IV

8. Differentiate between do-while and while loops in c-language.
9. Write a programe in c to convert a temperature reading in degrees Fahrenheit to degrees Celsius using the formula.

$$C = (5/9) \times (F - 32)$$

Test the program for values 150 and - 22 (degrees Fahrenheit)

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B.A. (Part-II) Examination, 2015

(Old Syllabus)

COMPUTER APPLICATION

Paper-First

(Database Management System and Structural Programme)

***Time Allowed : Three Hours ] [ Maximum Marks : 35***

Note : Answer five questions in all. Question No.1 is compulsory. Attempt one question from each of the four Units.

1. Answer the following :

- (a) What is Data? What are the Primary goals of DBMS?