

**Code No. : C-294**

**Annual Examination - 2018**

**BCA Part - II**

**(BCA-202)**

**Paper - II**

**DBMS (ORACLE, SQL)**

**Max.Marks : 100**

**Time : 3 Hrs.**

**Min Marks : 40**

Note: Section 'A' , containing 10 very short answer type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

**Section-'A'**

**Very short answer type questions. Answer in one or two sentences (2x10=20)**

- Q.1 Name the collection which is called Database Management system.
- Q.2 What is data abstraction?
- Q.3 Mention the disadvantages of file system to store data.
- Q.4 What represents rectangle in ER Diagram?
- Q.5 What do you mean by storage management component?
- Q.6 What is data manipulation language?
- Q.7 Name the Database language.
- Q.8 Give one function of DBA Network Maintenance.
- Q.9 What is Minimal superkey?
- Q.10 What is Outer joins?

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**Section-'B'**

**Short answer type questions with word limit 150-200.**

**(6x5=30)**

Q.1 What is the use of RAID?

**OR**

Explain how reliability can be improved through redundancy?

Q.2 What is called mirroring?

**OR**

What is meant by multi dimensional databases?

Q.3 List the threats to databases.

**OR**

List out the control measures of databases.

Q.4 What are the actions performed by DBA?

**OR**

Explain current page table and shadow page table.

Q.5 What do you mean by garbage collections?

**OR**

What is database tuning?

**Section-'C'**

**Long answer type questions with word limit 300-350.**

**(10x5=50)**

Q.1 Explain the DBMS storage structure and access methods with neat diagram.

**OR**

What do you mean by core variable and attributes. Explain with suitable example.

Q.2 Develop an ER diagram for Hospital management with logical justifications.

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**OR**

Can use store picture in the database and if so, how it can be done?

Q.3 Explain the purposes of different keys.

**OR**

What do you mean by triggers and what is the maximum number of triggers that can be applied to a single table.

Q.4 Explain the steps needed to create the scheduled job.

**OR**

Explain the purpose of Decompositions.

Q.5 Describe how to use linked server.

**OR**

Explain the characteristics of commercial database query language.

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