

M.B.A. (CBCS Pattern) Sem-III  
**PCB3ED1-SP01 : Database Management Systems**

P. Pages : 1

Time : Three Hours



**GUG/W/22/10698**

Max. Marks : 70

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- Notes : 1. Attempt **any five** questions.  
2. All questions carry equal marks.

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| 1.  | What do you mean by Database Management system? Discuss it's models. | 14 |
| 2.  | Discuss DBMS Architecture.   | 14 |
| 3.  | Explain practical applications of ER modeling.                       | 14 |
| 4.  | Discuss History and standardization of SQL.                          | 14 |
| 5.  | Describe the benefits and elements of SQL Language.                  | 14 |
| 6.  | What is Data mining? Discuss it's functions.                         | 14 |
| 7.  | Discuss the concept and history of data warehousing.                 | 14 |
| 8.  | Explain Object Oriented Database Management System. (OODBMS)         | 14 |
| 9.  | What is database security? Discuss it's threats and risk.            | 14 |
| 10. | Write short notes on <b>any two</b> .                                | 14 |
|     | a) Digital signature   |    |
|     | b) Object technology   |    |
|     | c) Database integrity  |    |
|     | d) FMS versus DBMS   |    |

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