

**Bharati Vidyapeeth**  
**(Deemed to be University), Pune**  
**School of Distance Education**

<b>Assignment No.</b>	<b>01</b>	<b>Name of the Assignment Setter:</b>		<b>Dr. V.N. More</b>	
<b>Course:</b>	<b>2020 Course</b>	<b>Class:</b>	<b>MCA</b>	<b>Semester:</b>	<b>I</b>

<b>Subject:</b>	<b>Applied Database Management System</b>
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**Q.1) Attempt ANY ONE of the Following (1000 Words) (10)**

- a) State and Explain 3NF and BCNF
- b) Explain in details Organization of File.

**Q.2) Attempt ANY TWO of the Following (800 Words) (12)**

- a) Describe Multiprogramming and Multiprocessing
- b) What is Log Based Recovery? Explain.
- c) Differentiate between encryption and decryption.
- d) What is an Index? Explain the usage of index.

**Q.3) Write Short Notes on (ANY TWO) (08)**

- a) Heterogeneous and Homogeneous Databases
- b) ACID properties
- c) Dynamic Hashing
- d) NoSQL

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