P5059

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T.E. (Information Technology) (Insem)
ADVANCED DATABASE MANAGEMENT SYSTEM
(2019 Pattern) (Semester -I) (314445(B)) (Elective - I)

Time : 1 Hour] [*Max. Marks : 30*

Instructions to the candidates:
1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) Explain referential integrity and domain integrity constraint with suitable example. **[5]**

b) Explain basic properties of OODBMS. **[5]**

c) Explain Relational Data Model. **[5]**

OR

Q2) a) Explain Database schema with suitable example. **[5]**

b) What is OID? Explain properties of OID. **[5]**

c) Compare Relational and Object Oriented Databases. **[5]**

Q3) a) Explain Shared Disk and Shared Memory Parallel Database Architecture. **[5]**

b) Write short note on Parallel Query Optimization. **[5]**

c) Explain Fragmentation and Replication. **[5]**

OR

Q4) a) Explain parallel join operation. **[5]**

b) Explain step by step 2 phase commit protocol. **[5]**

c) Explain Distributed Transaction processing. **[5]**

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