M. SC. (GEOINFORMATICS) SEM-II (CBCS) (2013 COURSE) :

WINTER - 2017

SUBJECT : GEODATABASE MANAGEMENT

Day : **Monday**
Date : **13/11/2017**

W-2017-0997

Time : **02.00 PM TO 05.00 PM**
Max. Marks : 60

N.B.

1) Answer any **FIVE** questions.
2) Figures to the right indicate **FULL** marks.

Q.1 **a)** What is database joins? Explain all the database joins in detail. **(06)**

b) Note down all database model in detail with proper diagram. **(06)**

Q.2 **a)** Draw and explain Client/Server architecture with proper examples. **(06)**

b) Explain different types of subqueries and SET operators used in oracle RDMS with proper examples. **(06)**

Q.3 **a)** Explain spatial database. Discuss in detail the different types of spatial data types. **(06)**

b) Explain the term Mapping Cardinality with proper example. **(06)**

Q.4 **a)** What is the importance of Normalization in database? Can you give any example which shows effective use of Normalization? **(06)**

b) Explain in detail different types of Keys used in RDBMS with proper example. **(06)**

Q.5 **a)** A reputed general hospital has decided to computerize their operations. In the hospital many doctors are working. Personal information of doctors is maintained. The patients are admitted to the hospital into the room. They are treated by various doctors. Sometimes patients performs certain pathological tests which carried out into the labs. **(06)**

Identify all entities

E-R diagram

b) Explain oracle architecture with proper diagram. **(06)**

Q.6 Write short notes on any **THREE :** **(12)**

a) Data Warehousing and Data Mining
b) Explain in brief Attributes and its types
c) Data types available in Oracle
d) Explain all logical and relational operators
e) Spatial Data Standards (WMS, WFS, WCS)

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