

**M. Sc. (Geoinformatics) SEM-II (CBCS) (2013 Course) : WINTER -  
2018**

**SUBJECT : GEODATABASE MANAGEMENT**

Day : Tuesday  
Date : 13/11/2018

**W-2018-1241**

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

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**N.B.**

- 1) Answer any **FIVE** questions.
  - 2) Figures to the right indicate **FULL** marks.
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- Q.1 a)** Explain all Numeric and Date functions used in Oracle with proper examples. **(06)**
- b)** Discuss in detail Database System Architecture. **(06)**
- Q.2 a)** Explain different type of sub-queries and SET operators used in Oracle RDBMS with proper examples. **(06)**
- b)** Note down all Database Model in detail with proper example. **(06)**
- Q.3 a)** What is Normalization? Can you give any example which shows effective use of normalization? **(06)**
- b)** Explain in detail Raster and Vector Data Model. **(06)**
- Q.4 a)** Explain all DDL and DML SQL statement with proper syntax. **(06)**
- b)** Draw and explain Oracle System Architecture. **(06)**
- Q.5 a)** Explain in detail all Keys used in RDBMS with proper example. **(06)**
- b)** Explain in detail OGC and its Spatial Data Standards (WFS, WMS, WCS) in detail. **(06)**
- Q.6** Write short notes on any **THREE** : **(12)**
- a) Different types of geodatabase in ArcGIS
  - b) Codd's rule
  - c) Logical and Relational operators
  - d) Data Security and Integrity
  - e) Concurrency control

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