

TRIBHUVAN UNIVERSITY  
FACULTY OF MANAGEMENT  
Office of the Dean  
Aug. - Sept. 2017

Full Marks: 40

Time: 2 hrs.

**BIM / Eighth Semester / IT 305: Object Oriented Database Management System**

*Candidates are required to answer all the questions in their own words as far as practicable.*

**Group "A"**

**1. Brief Answer Questions:**

[10 × 1 = 10]

- i. Define OODBMS.
- ii. What do you mean by Hybrid Database?
- iii. Write the syntax for creating object body in PL/SQL.
- iv. What is Attribute?
- v. What is lexical class?
- vi. What is Large Object?
- vii. What are the characteristics of an Object?
- viii. What do you mean by private attributes of object?
- ix. How do you represent Abstract Class in Bootch Notation?
- x. What is Generalization?

**Group "B"**

**Exercise Problems:**

[5 × 4 = 20]

2. List and Explain any 3 Mandatory Features of OODBMS.
3. What is Object? Write PL/SQL to create the Object "Share\_Detail" with attributes Institution\_id, Institution\_Name, Total\_Stock, Plagged\_Stock, Available\_Stock.
4. Explain External Large Objects.
5. What is concurrent access? If you are creating a software that requires a large amount of concurrent access, which type of database will you prefer and why?
6. Explain Aggregation and Classification with example.

**Group "C"**

**Comprehensive Questions:**

[2 × 5 = 10]

7. What is relational Model Tasmania? Explain the term Entities, super type, subtype and type hierarchies.
8. Explain the Architecture of Object Oriented DBMS.

