

**SHREE ADARSH MSc(IT) COLLEGE – BOTAD**

**FIRST INTERNAL EXAM –JAN – 2017**

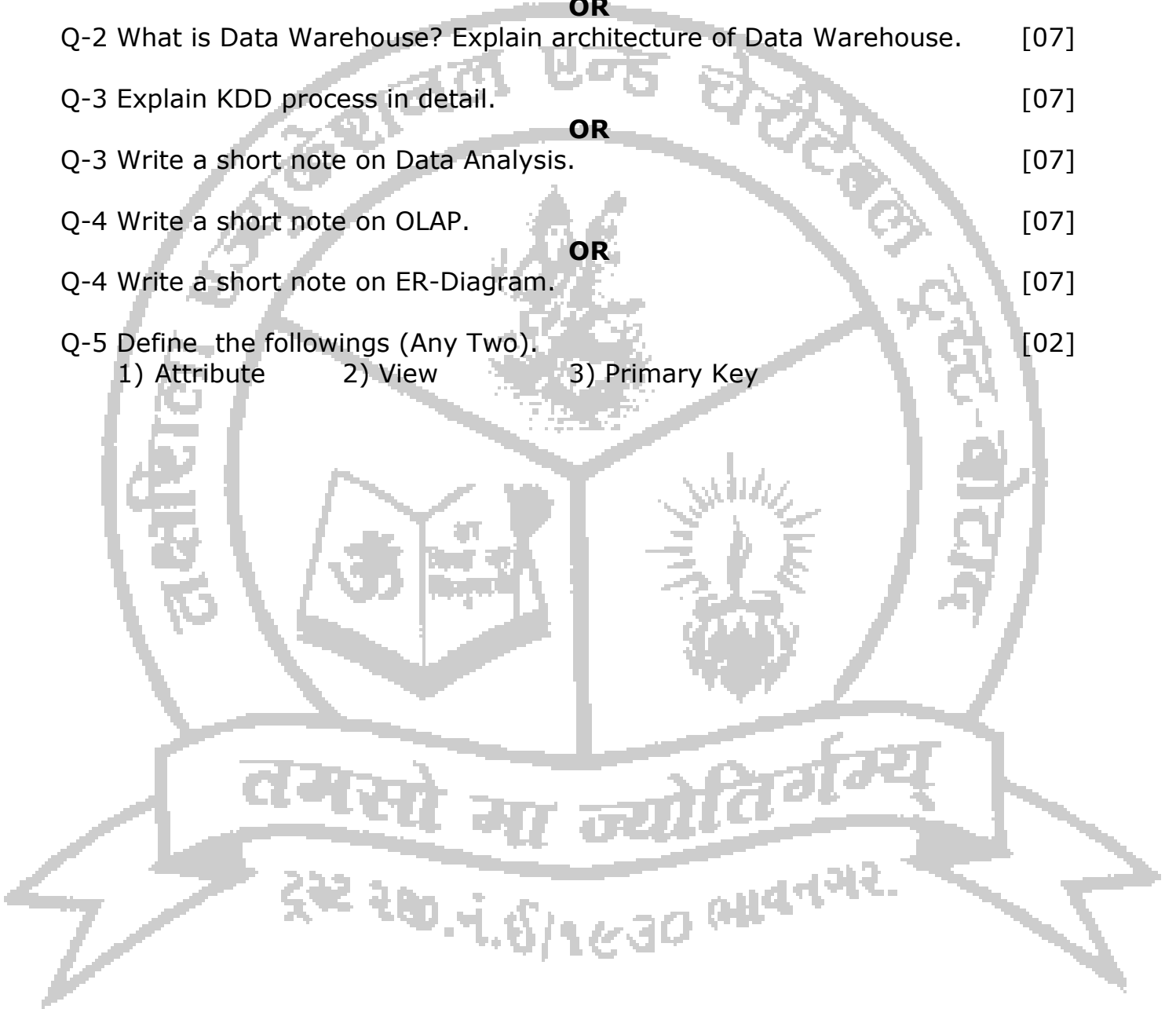
**M.Sc(IT) SEM – 4**

**SUB: ADVANCE DATABASE:CONCEPTS & TOOLS**

**TOTAL MARKS: 30**

**TIME: 1 HOUR**

- Q-1 What is Xml Database? Explain it in detail. [07]  
**OR**  
Q-1 Write a short note on Entity Relationship Model [07]  
Q-2 What is Data Warehouse? Explain characteristics of Data Warehouse. [07]  
**OR**  
Q-2 What is Data Warehouse? Explain architecture of Data Warehouse. [07]  
Q-3 Explain KDD process in detail. [07]  
**OR**  
Q-3 Write a short note on Data Analysis. [07]  
Q-4 Write a short note on OLAP. [07]  
**OR**  
Q-4 Write a short note on ER-Diagram. [07]  
Q-5 Define the followings (Any Two). [02]  
1) Attribute      2) View      3) Primary Key



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**SUB: ADVANCE DATASTRUCTURE AND ALGO USING C++**

**TOTAL MARKS: 30**

**TIME: 1 HOUR**

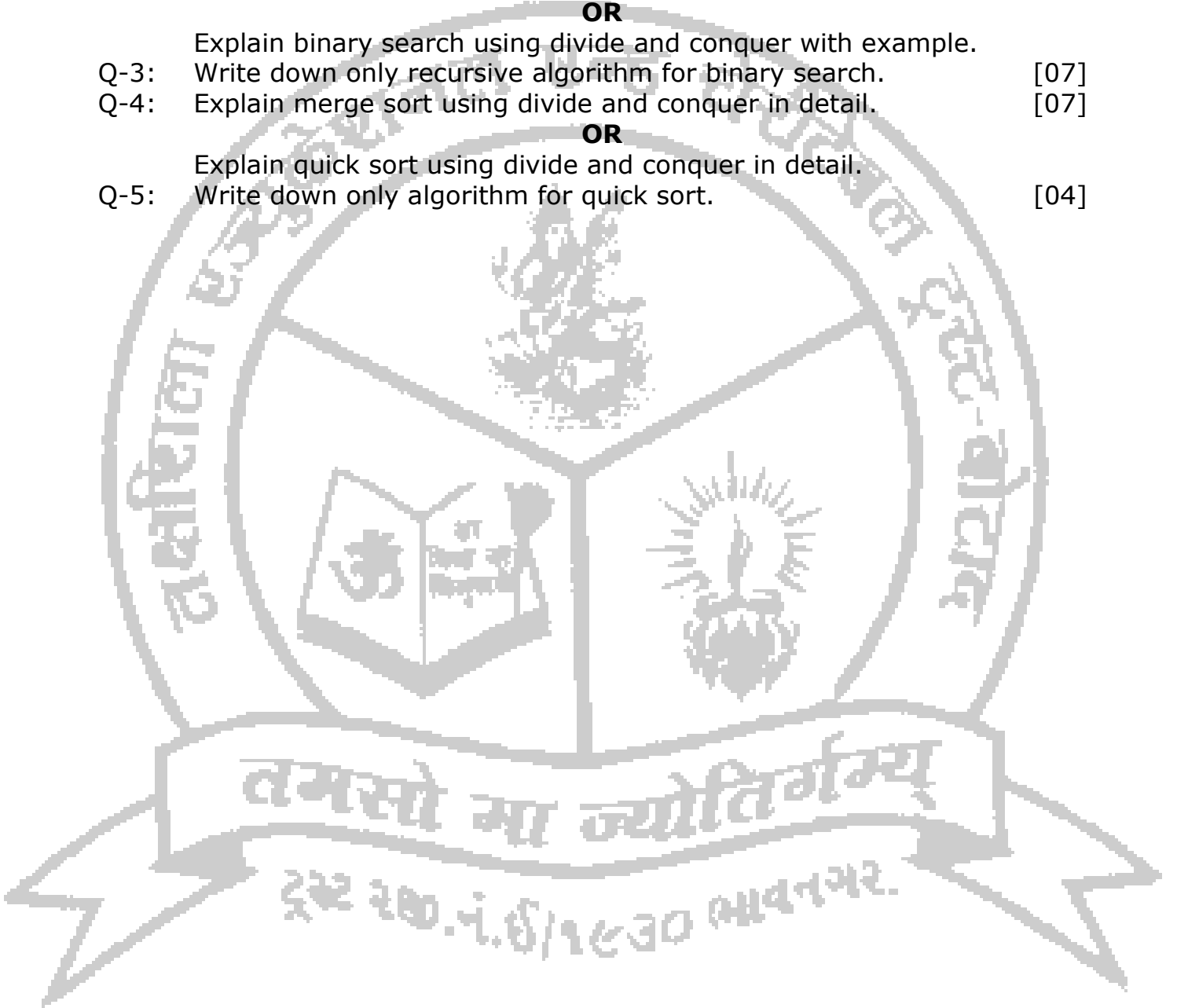
- Q-1: Explain general concept of divide and conquer with algorithm. [05]  
Q-2: Write down only recursive algorithm for finding maximum and minimum. [07]

**OR**

- Explain binary search using divide and conquer with example.  
Q-3: Write down only recursive algorithm for binary search. [07]  
Q-4: Explain merge sort using divide and conquer in detail. [07]

**OR**

- Explain quick sort using divide and conquer in detail.  
Q-5: Write down only algorithm for quick sort. [04]



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**SUB: OBJECT ORIENTED PROG. CONCEPTS AND JAVA PROG.**

**TOTAL MARKS: 30**

**TIME: 1 HOUR**

- Q.1 Write a detail note on basic concept OOP Language. (7)  
OR
- Q.1 What is Buzzword? Explain its types. (7)
- Q.2 Explain Selection Statement in detail with example. (7)  
OR
- Q.2 How to use Polymorphism in java. (7)
- Q.3 How to use Multiple Inheritance in Java explain with example. (7)  
OR
- Q.3 How to use Super keyword in Java. Explain its use with example. (7)
- Q.4 What is Exception Handling? Explain with example. (7)  
OR
- Q.4 Explain Dynamic Method dispatch and Abstract class with example. (7)
- Q.5 What is Instance Variable Hinding? How to use 'this' keyword. (2)

