Name:...........................   Reg. No...........................

Department of Computer Science & Engineering
Motilal Nehru National Institute of Technology, Allahabad
Mid Sem. Examination (Even-Semester) 2017-18

Class: B.Tech. 6th Sem. (Information Technology)
Subject: Business Intelligence (Code: CS1608)

M.M. : 20   Time : 90 Minutes

Note: 1. ALL Questions are compulsory.
2. Attempt ALL questions serially starting from Question No.1.
3. Write ALL parts of a question together in one attempt NOT here & there.
4. Write to the point. Make & State necessary assumptions.

Q1- Describe the term Business Intelligence. Explain BI architecture (with diagram) its major components and benefits of BI.

(4)

Q2- (a) What is the difference between OLAP and OLTP?
(b) What is the difference between Inductive and Deductive approches?   (2+2=4)

Q3- The marks obtained by 30 students of Class XII of a certain School in Computer paper consisting of 100 marks are presented in table below. Find the **Mean, Mode and Median** values of the marks obtained by the students.

Marks obtained (x_i)	10	20	36	40	50	56	60	70	72	80	88	92	95
Number of student (f_i)	1	1	3	4	3	2	4	4	1	1	2	3	1

(4)

Q4- What are the critical issues related to Extraction, Transformation and Loading? Explain ETL process.

(4)

Q5- Explain the following terms:
(a) ACID property
(b) Data marts
(c) CRM
(d) SCM

(1+1+1+1=4)

*** END***