

**B.R. Ambedkar Bihar University, Muzaffarpur**  
**Directorate of Distance Education**  
**T.D.C. 1st Semester Examination 2016 (Semester 2016-19)**  
**Subject:- Mathematics (Hons.)**  
**Assignment / Internal Assessment (दत्त कार्य)**  
**(Answer all the questions) Full Marks = 20**  
**Paper-I**

1.  $(A - B) \times C = A \times C - B \times C$
2. Prove that:-  $(A B)^1 = B^1 A^1$ .