

**B.R. Ambedkar Bihar University, Muzaffarpur**  
**Directorate of Distance Education**  
**T.D.C. 1st Semester Examination 2016 (Semester 2016-19)**  
**Subject:- Mathematics (Subsidiary)**  
**Assignment / Internal Assessment (दत्त कार्य)**  
**(Answer all the questions) Full Marks = 10**  
**Paper-I**

1. Prove that:-  $(A^1)^1 = A$