

B.R. Ambedkar Bihar University, Muzaffarpur
Directorate of Distance Education
P.G. 1st Semester Examination 2016 January Session (2016-18)
Subject:- Mathematics
Assignment / Internal Assessment (दत्त कार्य)
(Answer all the questions) Full Marks = 30
Paper-I

1. State and prove the factorization theorem.
 2. Define solvable group with an example.
-

B.R. Ambedkar Bihar University, Muzaffarpur
Directorate of Distance Education
P.G. 1st Semester Examination 2016 January Session (2016-18)
Subject:- Mathematics
Assignment / Internal Assessment (दत्त कार्य)
(Answer all the questions) Full Marks = 30
Paper-II

1. State and prove Heine-Bard theorem.
 2. Define Power series.
-

B.R. Ambedkar Bihar University, Muzaffarpur
Directorate of Distance Education
P.G. 1st Semester Examination 2016 January Session (2016-18)
Subject:- Mathematics
Assignment / Internal Assessment (दत्त कार्य)
(Answer all the questions) Full Marks = 30
Paper-III

1. Define measurable function.
 2. State and prove Egoroff's Theorem.
-

B.R. Ambedkar Bihar University, Muzaffarpur
Directorate of Distance Education
P.G. 1st Semester Examination 2016 January Session (2016-18)
Subject:- Mathematics
Assignment / Internal Assessment (दत्त कार्य)
(Answer all the questions) Full Marks = 30
Paper-IV

1. Prove that: $\overline{(A \cup B)} = \overline{A} \cap \overline{B}$
2. Define T_0, T_1, T_2, T_3, T_4 spaces.