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.

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Paper-II

1. State and prove Heine-Bard theorem.

2. Define Power series.

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Paper-III

1. Define measurable function.

2. State and prove Egoroff's Theorem.

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Paper-IV

1. Prove that: $\overline{(AUB)} = \overline{A}\ U\ \overline{B}$

2. Define T_0, T_1, T_2, T_3, T_4 spaces.