**Structure of Question- Math-3 (Final)**

Q.1 **Short questions from all chapters: (10 marks)**

Q.2. **Broad Questions: (30 marks)**

* Mapping for rectangular and triangular region.
* Improper integral using CRT.
* Laurent series.
* Laplace Transformation of
* Laplace Transformation using unit step function. Also sketch the function.
* Inverse Laplace Transformation using partial fraction.
* Inverse Laplace Transformation for unit step function.
* Solving linear IVP using Laplace Transformation ( first and second order)-mandatory.