1116-VP-2711   **Khairul Islam***, Department of Mathematics, Texas A&M University-Kingsville, Kingsville, TX , and **Mian Arif Shams Adnan**, Department of Mathematical Sciences, Ball State University, Muncie, IN. *Generating Various Integral Representations of Beta and Gamma Functions and Their Individual Products.*

Several integral representation of beta function, gamma function and their products have been developed based on mixture distribution. These integrals are applied for finding the mathematical as well as statistical properties of the various gamma and beta behavioral populations. Several characteristics of the aforesaid distributions will be computed by means of simulation. (Received September 22, 2015)