

B.Com 4th semester INTERNAL QUESTION (Hons/Pass)

BCH/BCP: 4.2: Business Mathematics

Answer **any one** questions from the followings:

1. Solve by the matrix method:
 $3x+2y+4z=19$, $2x-y+z=3$ & $6x+7y-z=17$
2. Define limit .Discuss the characteristics and Algebra of limit.
3. Find the 2nd and 3rd order differential coefficient with respect to 'x' when $y= x^3.\log x$
4. Define Annuity. Briefly explain the characteristics and various types of annuities with suitable example.
5. Evaluate: $\int x^4.(\log_e x)^2 dx$
6. Write short notes on:-
 - a) Linear Programming Problem (LPP)
 - b) Steps in testing continuity of a function.
