Program: HSC Commerce	**S.Y.J.C**
Subject: Mathematics and Statistics	**Code: 88**
Number of lectures per week:	**10 (Paper I - 4 lectures, Paper II - 4 lectures and 2 Practical lectures)**
Evaluation Scheme:	
1st Term Examination: 50 marks Preliminary Examination: 80 marks Practical Preliminary Examination: 20 Marks (Internal Assessment) H.S.C Board Theory Examination: 80 marks H.S.C Board Practical Examination: 20 Marks	
Learning Objectives: **1. Help students to think critically and solve problems.** **2.Develop problem solving skills using Mathematical principles and techniques.** **3. Help students to understand and apply Mathematical concepts.** **4. Analyzing and interpreting data using Statistical methods.** **5. Applying Mathematical and Statistical reasoning to real world situations.** **6. Preparing students for further studies in Mathematics and Statistics and other related fields.** **7. Fostering an appreciation for the beauty and utility of Mathematics and Statistics in various domains.** **8. Help students to make the sequence of jobs or assignments of jobs to people so that time taken by machine or people to complete whole job is minimum.** **9. Help students to understand discrete and continuous random variable and its probability distribution.** **10. Help students to make linear programming problem and solve them graphically.** **11. Help students to solve commercial mathematics sums.** **12. Help students to understand basics of calculus and solve sums.**	
Pedagogy: 1. **Emphasizing conceptual understanding.** 2. **Encouraging inquiry-based learning.** 3. **Utilizing technology effectively.** 4. **Promoting problem solving skill.** 5. **Provide timely feedback to student and parent for improvement.** 6. **Foster Active learning in practical lecture through discussion, problem solving activities and group work.** 7. **Use of chalk and board method.** 8. **Give various situations to students and ask them to use the concepts learned in such situations.**	

Link to Textbook:

Paper I – http://books.ebalbharati.in/pdfs/1203030418.pdf

Paper II - http://books.ebalbharati.in/pdfs/1203030419.pdf