BCA: III- Semester                    MATHEMATICS-III                    Exam Code: 201

**OBJECTIVE:** To enable professional undergraduate students to understand the importance of mathematics in computer science.

**QUESTIONS**

1) What is mean, median and mode, partition values –quartiles, deciles and percentiles with an Example.
2) Discuss Karl Person's Methods; Spearman's rank correlation. Give example.
3) Explain duality; concept, significance, usage & application in business decision making.
4) Discuss of solution methods of assignment problem with the help of an example

**PROCEDURE**:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

**OUTCOME**: After doing this assignment, students will come to understand the importance of mathematics in computer science.

**TEXT BOOKS:**

[T1] Sharma, J.K.; Operations Research: problems & solutions; Macmillan India

[T2] Gupta, S.P. and Gupta, P.K.; Quantitative Techniques and Operations Research, Sultan Chand & Sons.