Name of the Teacher: Gurjeet Singh

Class: B.Sc IT 2nd year(3rd semester)

**Lesson Plan**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | **Indeterminate forms,Beta and Gamma function** | **Oral presentation** |
|  | **01-31 Aug 2017** | **Double and Triple Integral, Partial Differentiation, change of variables, Euler Theorem on homogenous function, Taylors theorem for function of two variable** | **Oral presentation** |
|  | **01-30 Sept 2017** | **Jacobians, maxima and minima and saddle point of functions of two variable, Lagranges Multiplier Method,**  **Definition and examples of rings and sub rings,commutative ring, Ring with unity,Zero division in ring,Integral domain,division rings** | **Discussion** |
|  | **01-31 Oct 2017** | **Algebraic system Definition and elementary properties of algebraic structures, Semi groups, groups and sub groups**  **Probability Models: mathematical probability,statistical probability, axiomatic probability and its applications, addition theorm, booles inequality** | **Discussion** |
|  | **01-13 Nov 2017** | **conditional probability, independent events, bayes theorm** | **Oral presentation** |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | **To solve section 3 & 4 of question paper K.U. December 2016** |
| **Assignment 2** | **To solve section 1 & 2 of question paper K.U. December 2016** |
| **Class Test** | **Beta and Gamma function** |  |  |  |