**Curriculum Plan (ODD SEM 2021): B.A.(P) II Year (Semester III)**

**ANALYTIC GEOMETRY AND APPLIED ALGEBRA.**

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| **Teacher Profile**  **Dr. Abhishek Kr. Singh**  Department of Mathematics  Kalindi College, University of Delhi, Delhi- 110008  Mobile: +91-9015737554  **E- mail**: abhishek@kalindi.du.ac.in | | **C:\Users\Abhishek\Pictures\2014-05-28 002\scan 053.jpg**  **PHOTO** | **Marks Distribution** | **Theory** | 75 Marks | | |
| **Internal Assessment** | 25 Marks | | |
|  | Assignments -10 Marks | | |
| Test - 10 Marks | | |
| Attendance - 5 Marks | | |
| **Classes Assigned** | **Lectures** | 2 per week | | |
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| **Reference** |  | **1. ANTON, BIVENS, DAVIS: CALCULUS, WILY INDIA PVT LTD.NEW DELHI. 2016.**  **2. TUCKER, ALAN(2012): APPLIED COMBINATORIES (6TH ED.). JOHN WILEY & SONS.** | | | | | |
|  | **Week** | **Topics** | | | | |  |
|  | **1st week**  *16-21 AUG* | TECHNIQUES FOR SKETCHING PARABOLA. | | | | |  |
| **2nd week**  23-28 AUG | TECHNIQUES FOR SKETCHING PARABOLA. | | | | |
|  | **3rd week**  31 AUG-4 SEP | TECHNIQUES FOR SKETCHING ELLIPSE. | | | | |  |
| **4th week**  6-11 SEP | TECHNIQUES FOR SKETCHING ELLIPSE. | | | | |  |
| **5th week**  13-18 SEP | TECHNIQUES FOR SKETCHING HYPERBOLA. | | | | |  |
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|  | **6th week**  20-25 SEP | TECHNIQUES FOR SKETCHING HYPERBOLA. | | | | |  |
|  | **7th week**  27 SEP-1 OCT | REFLECTION PROPERTIES OF PARABOLA. | | | | |  |
|  | **8th week**  4-9 OCT | REFLECTION PROPERTIES OF ELLIPSE. | | | | |  |
|  | **9th week**  11-16 0CT | REFLECTION PROPERTIES OF HYPERBOLA. | | | | |  |
|  | **10th week**.  18-23 OCT | CLASSIFICATION OF QUADRATIC EQUATIONS REPRESENTING LINES, PARABOLA. | | | | |  |
|  | **11th week**  25-30 OCT | CLASSIFICATION OF QUADRATIC EQUATIONS REPRESENTING ELLIPSE. | | | | |  |
|  | **12th week**  1-6 NOV | CLASSIFICATION OF QUADRATIC EQUATIONS REPRESENTING HYPERBOLA. | | | | |  |
|  | **13th week**  8-13 NOV | LATIN SQUARE. TABLE FOR FINITE GROUP AS A LATIN SQUARE. | | | | |  |
|  | **14th week**  15-20 NOV | LATIN SQUARE AS A DESIGN OF EXPERIMENTS. | | | | |  |
| 22 NOV- 7 DEC (15TH and 16TH Week)- REVISION. | | | | | |  | |