**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 MathematicsKalindi College, University of Delhi, Delhi- 110008Mobile: +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. |  |