**AIR FORCE SCHOOL BAMRAUL PRAYAGRAJ**

**ANNUAL SPLIT UP SESSION 2024-25**

**CLASS -X SUB-MATHEMATICS**

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| S.R | Months | Chapter | Topic /subtopic | No.of periods | Activities |
| 1. | April | Real numbar | H.C.F,prove of irrational no, | 7 | Use of HCF in our daily life |
| 2. | April | Polynomial | Variable ,constant,algebraic expression,types of polynomials,degree, coefficient.,zeroes | 8 | Make polynomials and find their degree and coefficient and zeros |
| 3 | May | Linear equations in two variables | Solution of EQ. By substituting, elimination,and cross multiplication method ,types of line ,consistent and inconsistent, | 10 | 1.To verify the condition for consistence/ inconsistent |
| 4 | June | Quadratic equation | Solution of EQ,roots,nature,discriminant,word problem | 8 | Prove of shrdharacharya method / formula ,and realtion between roots and coefficient |
| 5 | July | A.P ,Triangle , coordinate geometry | No. If terms of given AP,sum of nth term of AP,  📐 -BPT,AAA,AA,SAS similarity,  Distance formula,section formula ,mid point , | 25 | 1 .sum of natural,even,odd no. By using sum formula ,example of AP in our daily life  2 .prove of similarity (AAA) by cutting cardboard .  3 .prove of distance formula |
| 6 | August | Trigonometry, Application of trigonometry , **Probability** | Trigonometry ratio, trigonometry identities, values of T.R,  P(event)+P(not event)=1 | 24 | 1.Prove of three identities used in this chapter.  2.use of TR in daily life like as hileight . |
| 7 | September | Circle ,Area related to circle , | Tangent related Circle theorem ,  Length of arc,Area of sector part (minor,major)  Area of segment part | 20 | Area swepet by clock minute, hour,and second hand in a particular time .  Working project . |
| 8 | October | Surface area and volume,  Statistics , | CSA of cylinder,cone ,sphere,cube and cuboid and their volume .  Mean ,median ,mode | 20 | 1.volume of water tank used in your house ,.  2. Volume of air present in our room.  3.Average expenditure of our house in a month.  4. Mean temp |
|  | October | **Revision** | Previous year questions,  Sample question paper |  |  |
|  | November |  | Pre Board 1 |  |  |
|  | December |  | Pre Board 2 |  |  |
|  | January |  | Common Pre Board |  |  |
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