**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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