

## TINGKATAN 5

Takwim pembelajaran Matematik Tambahan (36 Minggu)

| Minggu       | Topik                                    | Nota/Contoh                | Latihan         |
|--------------|------------------------------------------|----------------------------|-----------------|
| Minggu 1–4   | Fungsi Polinomial & Persamaan Simultan   | Nota + graf                | Latihan graf    |
| Minggu 5–8   | Matriks & Pemetaan Linear                | Nota + contoh              | Tugasan         |
| Minggu 9–12  | Kalkulus (pembezaan & aplikasi)          | Nota ringkas + soalan      | Latihan         |
| Minggu 13–16 | Kalkulus (pengamiran asas & aplikasi)    | Nota langkah demi langkah  | Tugasan         |
| Minggu 17–20 | Trigonometri Lanjutan (graf, hukum asas) | Nota + rajah               | Latihan         |
| Minggu 21–24 | Kebarangkalian & Taburan Binomial        | Nota + contoh              | Tugasan         |
| Minggu 25–28 | Nombor Kompleks                          | Nota ringkas + graf Argand | Latihan         |
| Minggu 29–32 | Vektor Lanjutan                          | Nota bergambar             | Tugasan         |
| Minggu 33–36 | Ulangkaji Keseluruhan                    | Kertas soalan lepas        | Ujian percubaan |

## FORM 5

Additional Mathematics study calendar (36 weeks)

| Week       | Topic                                         | Notes/Examples | Homework    |
|------------|-----------------------------------------------|----------------|-------------|
| Week 1–4   | Differentiation advanced rules                | Notes          | Practice    |
| Week 5–8   | Applications (optimization, kinematics)       | Examples       | Assignments |
| Week 9–12  | Integration advanced (substitution, by parts) | Notes          | Homework    |
| Week 13–16 | Definite integrals                            | Examples       | Practice    |
| Week 17–20 | Differential equations basics                 | Notes          | Assignments |
| Week 21–24 | Permutations & combinations                   | Examples       | Homework    |
| Week 25–28 | Probability distributions                     | Notes          | Practice    |
| Week 29–32 | Complex numbers                               | Examples       | Assignments |
| Week 33–36 | Matrices, vectors, exam prep                  | Past papers    | Mock exam   |