12TH MATHEMATICS BAAT DABANE WALE TOPICS

Ch#2 FUNCTION & LIMITS

- Special limits including sandwich theorem
- questions of limits including 0/0 and infinity / infinity
- Exr 2.3
- Exr 2.4
- continuity of stepwise functions
- Page 57,58 examples

Chapter#3 Differentiation

- Exr 3.1 ab initio or derivative by 1st principal rule
- Exr 3.2: tangent line and derivative by quotient and product rule
- Exr 3.3: derivative of implicit and parametric functions
- Exr 3.4 & 3.5: formulas of trigonometric functions by definition and exercises
- Book pages: 82-89, 93-94

Chapter#4 higher order derivatives

- Exr 4.1: trigonometric and parametric 2nd order derivatives
- Exr 4.2 Taylor and maclaurin
- Exr 4.3 maxima and minima

Chap 5 vector Diff:

- Exr 5.2

Chap#6 Integration

- All exercises , examples and special limits page 151 to 161

Chap#7: Plane Analytic Geometry

- Exr 7.2: symetric and normal form
- Exr 7.3 complete
- Exr 7.4: joint system

Chap#8: Conic-I

- Exr 8.1: equation of circle
- Exr 8.2: tangent normal

Chap#9: Conic-II

- Exr 9.1: parabola
- Exr 9.2: ellipse
- Exr 9.3: hyperbola
- Exr 9.4: angles

Chap#10: Differential Equations

- Exr 10.2

Chap#11: Partial Differentiation

- Exr 11.2

Chap#12: Numerical Integration

- Exr 12.1 Newton raphson
- Exr 12.2 trapezoidal and Simpson