

## **BS – CS & BS – Math**

### **Entry Test Syllabus**

1. Sets
2. Complex numbers
3. Polynomials and equations
4. Linear and quadratic inequalities
5. Matrices and determinants
6. Algebra
7. Probabilities (with conditional probability)
8. Counting techniques
9. Binomial
10. Sequence and series
11. Trigonometry
12. 2D and 3D mensuration
13. Functions and their domain and range
14. Coordinate geometry
15. Limit of a function
16. Differential calculus and integral calculus
17. Conic sections (circle, parabola, ellipse, and hyperbola)
18. 2D and 3D vectors
19. Linear and non-linear models
20. Statistics

**\*Difficulty level/depth of each topic is intermediate exam and A-level exam.**