KQS COACHING CENTER

|Date: _____||Class: XI | | Paper: Math | | Time: 45 minutes | |Max. Marks: 35 | |Test # 1|

|NAME: _____ | |F.NAME: _____|

Q#1: If A= {a, b, c, d}, B= {b, c, d, e}, C= {c, d, e, f}, U = {a, b, c, d, e, f} then find (A ' ∪ B)' X (B ∩ C ') - (B Δ C) ' ;

Q#2: i. (7, -9) + (3,5) ii. (-2, 1) $\left(-\frac{2}{5}, -\frac{1}{5}\right)$; Q#3: Solve i. $(x + 2yi)^2 = xi$ ii. (-x, 3y) = (2, 0);

Q#4: Factorize i. $4a^2 + 9b^2$ ii. $3m^2 + 8t^2$; Q#5: find the imaginary part i. $\frac{2-i}{3i}$ ii. $\frac{3a+2bi}{a-bi}$

Q#6: Verify triangle inequality for $z_1 = 3+4i$ $z_2 = 1-i$

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Prepared by: Sir Hasnain Contact #: 03312189275 Email address: Hasnainkhankqs@gmail.com

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