

# 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  $(A' \cup B)' \times (B \cap C)' - (B \Delta C)'$ ;

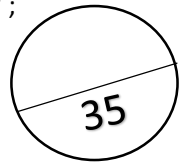
Q#2: i.  $(7, -9) + (3, 5)$  ii.  $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$ ;

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  $z_1 = 3+4i$   $z_2 = 1-i$



Prepared by: Sir Hasnain

Contact #: 03312189275

Email address: Hasnainkhankqs@gmail.com

# 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  $(A' \cup B)' \times (B \cap C)' - (B \Delta C)'$ ;

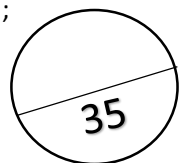
Q#2: i.  $(7, -9) + (3, 5)$  ii.  $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$ ;

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  $z_1 = 3+4i$   $z_2 = 1-i$



Prepared by: Sir Hasnain

Contact #: 03312189275

Email address: Hasnainkhankqs@gmail.com

# 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  $(A' \cup B)' \times (B \cap C)' - (B \Delta C)'$ ;

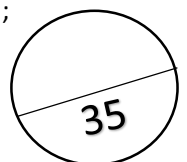
Q#2: i.  $(7, -9) + (3, 5)$  ii.  $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$ ;

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  $z_1 = 3+4i$   $z_2 = 1-i$



Prepared by: Sir Hasnain

Contact #: 03312189275

Email address: Hasnainkhankqs@gmail.com