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| **ZEALOUS INTERNATIONAL SCHOOL Jinnah campus**  **1st CHECK POINT 2024-25**  **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: X Subject: Maths /25** |

**Q1 (a): Multiple Choice Questions. /05**

1. Which operation is not commutative \_\_\_\_\_\_\_\_\_\_\_.

a. symmetric difference b. Union c. Difference d. Intersection

1. Which one is subset of N \_\_\_\_\_\_\_.
2. Z b. Q c. E d. P
3. Tabular form of A = {x/x Z^x2 =25} = \_\_\_\_\_\_\_.
4. {1, 5} b. {-5, 5} c. {1,5,25} d. {-5}
5. If A = {1,2,3,4} and B = {2,4,6} then AB = \_\_\_\_\_\_\_\_\_\_\_.
6. {1, 2} b. {6} c. {1, 3} d. {1.3.6}
7. Which one is commutative \_\_\_\_\_\_\_\_\_.
8. Difference b. Union c. Cartesian product d. Noneelongs to

**Q1 (b): Fill in the blanks. /05**

1. A’ = \_\_\_\_\_\_\_
2. AB = BA is a commutative property of \_\_\_\_\_\_\_
3. AB = BA is a commutative property of \_\_\_\_\_\_\_
4. A = {x/x Z^x2 =25}, this form is called set \_\_\_\_\_\_\_ form.
5. A = {1,2,3,4,5}, this form is called \_\_\_\_\_\_ from.

**Q2. If U = {1,2,3….9,10} and A = {1,2,3,4,5} and B = {1,3,5,7,9} then find: /05**

1. **(AUB)’ (ii) A’B’**

**Q3. If U = {1,2,3,4….9,10}, A = {1,2,3,4,5} and B = {2,4,6,8} Then use Venn diagram. /05**

1. **AUB (ii) AB**

**Q4. Verify De Morgan’s law if. /05**

1. **U = {1,2,3….12}, A = {1,2,3,4,6,12} and B = {2,4,6,8}**