

## **Section 5 Lecture 32 – Primitive roots - Exercises**

Q1)

Find all primitive roots of the following:

- (i) 3
- (ii) 5
- (iii) 11

Q2)

For each of Q1, show that the product of the primitive roots is  $1 \pmod{p}$  in the cases where  $p > 3$ .