



**Sri Lanka Institute of Information Technology**  
**B. Sc Degree in IT/IS/CSN, Diploma in Information Technology**  
**Year 01 – Semester I – 2019**  
**Mathematics for Computing (IT1030)**  
**Tutorial 01.2**

1. Find the 1's Complement and 2's Complement of the following binary numbers.

- (a) 1011
- (b) 0110
- (c) 101010
- (d) 010010
- (e) 1000 1111
- (f) 1001 0001 1100
- (g) 1010 0110 1000

2. Find the 7's Complement and 8's Complement of the following octal numbers.

- (a) 13
- (b) 214
- (c) 102
- (d) 4256
- (e) 1020
- (f) 63215
- (g) 4527

3. Find the 9's Complement and 10's Complement of the following octal numbers.

- (a) 125
- (b) 354
- (c) 1245
- (d) 7584
- (e) 698500
- (f) 54210
- (g) 456021

3. Find the 15's Complement and 16's Complement of the following hexadecimal numbers.

- (a) A6
- (b) 127
- (c) C45
- (d) AB1
- (e) FD0
- (f) 125FF
- (g) 67C20