LIST OF TABLES

1.1 A comparative study of remote user authentication schemes ..... 16
1.2 A comparative study of authentication schemes in GLOMONET ..... 17

3.1 The notations used in Rajaram et al. scheme ............... 23
3.2 Computational cost of related operations on PCs : Source (Wang
and Wang, 2014a) ............................................. 29
3.3 Notations used in proposed scheme-I ........................ 33
3.4 Performance comparison of proposed scheme-I with Rajaram et al.
scheme .......................................................... 41
3.5 Comparison of the security requirements ........................ 42

4.1 The notations used in Young-Hwa scheme .................... 43
4.2 Notations used in proposed scheme-II ........................ 52
4.3 Computational cost of the proposed scheme-II and other related
schemes ............................................................ 67
4.4 Security requirements of the proposed scheme-II and other related
schemes ........................................................... 67

5.1 The notations used in Rhee et al. scheme ...................... 68
5.2 The notations used in proposed scheme-III .................... 77
5.3 Performance comparison ....................................... 92
5.4 Security requirements comparison ............................. 92