This questionnaire is automatically read by a computer program. Please use a pen for filling in your answers.  Check:  Uncheck to correct:  Respond by placing an 'X' in the box next to the chosen answer.  You can correct an answer once, as shown on the left. This cannot be undone.  IMPORTANT: All answers should be provided in the spaces provided on this paper. You must write your exam number on each page.			
		1 Choice Questions	
		Answer all of the following questions by There will be 30 such questions in the ex	choosing one answer per question. Each question is worth 1.5 marks. cam, for a total of 45 marks.
1.1 Security attacks are classified as eith	ner passive or aggressive.		
☐ True	☐ False		
1.2 The family of techniques used for de is known as	ciphering a message without any knowledge of the enciphering details		
☐ blind deciphering ☐ cryptanalysis	☐ steganography ☐ transposition		
1.3is when each plaintext element or group of element	lement or group of elements is uniquely replaced by a corresponding ents.		
☐ Substitution ☐ Streaming	☐ Diffusion ☐ Permutation		
1.4 The sender is the only one who nee operation.	eds to know an initialization vector, when used by a cipher mode of		
☐ True	☐ False		
1.5 SHA-1 produces a hash value of	bits.		
□ 224 □ 384	□ 160 □ 256		
2 Problems			
Answer all of the following questions in There will be 3 such questions in the exc	the spaces provided on this paper. Each question is worth 15 marks. um, for a total of 45 marks.		
2.1 What requirements must a public ke	ey cryptosystem fulfil to be a secure algorithm?		

