..... Student Number: .... OARD OF STUDIES Software Design Section 2 Question 21 Desk Check fassume X = 5 and 4 a) i) Train O Displays Noachon for sumber of trains = O there would Error No action Error be an error Train Desk Check Desired Result Number of trains Result Error and number-No action offrains never ends No action taken Train to be displayed Notrains Both trains displayed displayed ii) There are several errors in the program. The first is that if number of trains is O then the variable is incremented indefinately and eventually an error will result. Locations will obviously never exist for these trains and that may lead to an error also. Also if there is only one train, nothing happens as the while loop in DisplayTrain is never run. According to the desk check the train should have been displayed. If there are 2 trains, no trains are displayed because of the Display Train ID procedure.

..... Student Number: ...... iii) I would modify lines -(4) to read WHILE Train < Number of Frains and Frains Number of Trains 70 so that if there are O or I trains the while loop will run correctly. (8) - I would insert two lines before this one reading-X = Lo cation × 4 = Location 4 because X and Y haven't been declared. 215i) There are selevel ethical screes involved. Firstly the person infringer copyright and hence placinizes the other companies code. They do not ask permission for the code use on even admalledge the other companies development of the code. Hence it further infringes copyright. Testing of this cade may not have been performed, hence viruses cald be contained inside the run time component. It also Infringes on a developers rights to entitlements for the Code generation contained inside the computer. The original outlar did not give permission and here does not recible on entitlements to which they are entitled to.

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Centre Number: ..... ..... Student Number: ..... BOARD OF STUDIES 216:1) Management could ensure the team carry out their responsibilitor in a number of acys: B- Thorough Documentation: - Documenting all adde generation so that any plaging plaquaring someone else's work does not occur. - Communication with the fear - constant communication is vited to ensuring the programmer are on schedule, fulfilling needs and seeing they carry out their espinsibilities properly. - seeking Permission & Admowledging sources if external code is used - this is vitelly important as at ensure's no plaquarism access and also so that the original author recieves credit for their work.