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 Question Number: **22**

a) The difference between a Thin Client and a Fat client is the Thin Client is dependant on an external network connection, if the system goes down, the thin client will also go down, where as the fat client does its own processing and stores its own data on its independent harddrive, & does not require a network connection.

b) i)

student	course	fee	status (paid)	date
student_ID	course_ID	\$0.00	yes/no	dd/mm/yy
student_address				

student_ID, student-address, student-name, student-year
 course_ID, course-name, course-fee,
 payment^{status} status (yes/no) payment-date.

ii) The message is separated into packets by separating the information into individual binary codes, of which are transmitted down the network and received by the destination computer / server and are placed in order of receiptment, via modulation and demodulation,

iii) a suitable error detection technique would be odd or even parity, where the binary code of each packet is sent with an extra bit to be calculated to odd or even, if the receiver finds odd parity in an even parity check, it is stated as incorrect and is corrected.

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