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 Question Number: **22**

(a). A fat client heavily relies on itself in terms of processing data whereas thin clients rely on other networks to process data.

(b)(i)

Field name	data type	size field size
student_ID	Text numbers	6
student_surname	Text	10
student_firstname	Text	10
Fee-paid	Boolean	5
Date-of-payment	Date.	6

(ii). The message is organised into packets of data ~~in a way~~ because of the different forms of transmission devices. The message is converted and ~~decoded~~ encoded through to the modem, with the use of protocols the information is sent to the school modem where it become decoded so it is readable. This method of converting data may also be transmitted more rapidly due to compression of the data.

(iii) ~~To do~~ In order to check if the messages have been sent and received properly the cyclic redundancy check can be used. It is the most reliable error detection technique where it divides the message in constants. If the ~~constant~~ result is the same when sent the message has been transmitted correctly.

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