<u>Databases – 2023 ICT IGCSE 0417</u>

1.	March/2023/Paper_0417/12/No.7 Describe the characteristics of a primary key and a foreign key.				
	(a)	Primary key			
			[2]		
	(b)	Foreign key			
			[2]		
		Palpaco			

Nov/2023/Paper_0417/11/No.1
 A newsagent has created a database with fields to store details of each newspaper and magazine he sells. Part of the database is shown.

Product_number	Name_of_publication	Selling_price	Frequency	Publisher
1001	Wireless Times	\$1.50	Daily	Trinity Press
1015	The Daily Press	\$1.50	Daily	H W Brown
1034	OME	\$2.00	Monthly	Trinity Press

(a)	Tick (\checkmark) the field name that would be the most appropriate primary key for the database.	
	A Product_number	
	B Name_of_publication	
	C Selling_price	
	D Frequency	
	E Publisher	
	Co	[1]
(b)	The newsagent has added a field called Bar_code to store the bar code number of the produ	ct.
	Explain why a presence check is not a suitable validation check for the Bar_code field.	
	130	[1]
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(c) The newsagent could use a relational database rather than a flat file database.			
	Descr	ibe the advantages of using a relational database rather than a flat file database.	
		<i>O</i> -	
			[4]
(d)	From for the	the data shown in the part of the database, identify the most appropriate data type	1.1
	(i)	Selling_price	[1]
	(ii)	Name_of_publication	ניז
		····	[1]