A screenshot of a cell phone

Description automatically generated

**Holidays**

**Instructions**

* Use **black** ink or ball-point pen.
  + **Fill in the boxes** at the top of this page with your name,  
    centre number and candidate number.
* Answer **all** questions.
* Answer the questions in the spaces provided  
  *– there may be more space than you need.*
* You must **show all your working.**
* Diagrams are **NOT** accurately drawn, unless otherwise indicated.
* If your calculator does not have a *π* button, take the value of *π* to be3.142

unless the question instructs otherwise.

**Information**

* The total mark for this paper is **21**. There are **5** questions.
* Questions have been arranged in an ascending order of mean difficulty, as found by all students in the June 2017–November 2019 examinations.
* The marks for **each** question are shown in brackets  
  *– use this as a guide as to how much time to spend on each question.*

**Advice**

1. Read each question carefully before you start to answer it.
2. Keep an eye on the time.
3. Try to answer every question.
4. Check your answers if you have time at the end.

**1** Harry is planning a holiday for 4 people for 7 days.

Here are the costs for the holiday for **each person**.

Travel £150

Hotel £50 for each day

Spending money £250

Work out the total cost of the holiday for 4 people for 7 days.

£.......................................................

**(Total for Question 1 is 4 marks)**

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**2** Tim and three friends go on holiday together for a week.

The 4 friends will share the costs of the holiday equally.

Here are the costs of the holiday.

£1280 for 4 return plane tickets

£640 for the villa

£220 for hire of a car for the week

Work out how much Tim has to pay for his share of the costs.

£ .......................................................

(**Total for Question 2 is 3 marks**)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3** Liz goes on holiday to South Africa.

Liz wants to change £850 into South African rand.

She wants to get as many 200 rand notes as possible.

The exchange rate is £1 = 18.53 rand.

Work out the greatest number of 200 rand notes that Liz can get for £850

.......................................................

**(Total for Question 3 is 3 marks)**

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**4** Andy went on holiday to Canada.

His flights cost a total of £1500.

Andy stayed for 14 nights.

His hotel room cost $196 per night.

Andy used wifi for 12 days.

Wifi cost $5 per day.

The exchange rate was $1.90 to £1.

(*a*)Work out the total cost of the flights, the hotel room and wifi.

Give your answer in pounds.

£ .......................................................

**(5)**

(*b*)If there were fewer dollars to £1, what effect would this have on the total cost, in

pounds, of Andy’s holiday?

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**(1)**

**(Total for Question 4 is 6 marks)**

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**5** Rehan is on holiday in the USA.

He has $200 to spend on clothes.

Rehan buys

1 pair of trainers costing $60

3 T-shirts costing $25 each.

He also wants to buy a jacket costing $80

(*a*)Has Rehan got enough money to buy the jacket?

You must show how you get your answer.

**(3)**

The trainers cost $60

The exchange rate is $1 = £0.749

Rehan says,

“The trainers cost less than £40”

Rehan is wrong.

(*b*)Using a suitable approximation, show working to explain why.

**(2)**

**(Total for Question 5 is 5 marks)**

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**TOTAL MARKS FOR PAPER: 21**