Marking Scheme JYSS Computing (Paper 2) Prelim Exam 2019

Task 1

Qn	Answer
1	=MID(B7,9,1) OR =RIGHT(B7,1)
2	one mark for working top formula, one mark for the rest
	=VLOOKUP(F7,\$E\$21:\$F\$27,2,FALSE)
3	In the top formula, one mark for the simple interest calculation, one mark for the addition to principal and one mark for the rest
	=E7*F7*G7+E7
4	one mark for working top formula, one mark for the rest
	=H7/(12*F7)
5	one mark for working top formula, one mark for the rest
	=IF(AND(H7>15000,D7="Online"),"YES","NO")

Task 2

Qn		Answer
6	(a)	while counter < 5:
	(b)	largest = 0
		if number > largest:
		largest = number
		<pre>print("The largest integer is ", largest)</pre>
	(c)	while number <= 0:
		<pre>number = int(input("Enter a positive integer: "))</pre>
7	num	_inputs = int(input("Enter total number of inputs: "))
	whi	le counter < num_inputs:

Task 3

Qn	Answer
8	Single errors are <u>underlined</u>
	age, results, eligible = 0, 0, 0
	rejected = 100
	<pre>age = int(<u>input"</u>Please enter student's age:"))</pre>
	<pre>result = float(input("Please enter overall exam results:"))</pre>
	while age <> 0 and result <> 0:
	if <u>age < 16</u> or age > 17 or <u>result == 70</u> :
	if age < 15:
	print("Age must be at least 15 years old")
	elif age > 17:
	print("Age must not be more than 17 years old")
	$\frac{\text{elif}}{\text{result}} + \frac{1}{10}$
	print("Overall exam results must be more than 70%")
	rejected = <u>rejected - 1</u>
	print (student is Nor erigible for attachment programme.)
	eise.
	Eligible = $eligible + 1$
	age = int(input("Please enter student's age:")
	result = float(input("Please enter overall exam results:"))
	print("Number of students eligible is " eligible)
	print("Number of students rejected is ", rejected)
	Corrected lines.
	rejected = 0
	age = int(input("Please enter student's age:"))
	while age <u>!= 0</u> and result <u>!=</u> 0:
	if <u>age < 15</u> or age > 17 or <u>result < 70</u> :
	<u>if</u> result > 70:
	rejected = rejected + 1
	eligible = eligible + 1
	age = int(input("Please enter student's age:") <u>)</u>
	print("Number of students eligible is <u>", eligible</u>)

Task 4

Qn	Answer
9	Program: input jeans_sold
•	validation for between 0 to 10
	variable set up for average and total
	variables set up and initialised for totaljeans_day (1) and totaljeans_week (1)
	use of loops for 7 days (1) for 4 jeans sizes (1)
	Correct calculation of average rounded to nearest whole number
	Correct calculation of totals for totaljeans_day (1) and
	totaljeans_week (1)
Qn	Answer
10	Test: nine lines of output (3) (-1 for each line with an error)
	Test: output matches stored program

Qn	Answer
11	Extend: correct test for less than 15 jeans sold
	Correct output (-1 for each line with error)

Qn	Answer
12	Extend: entry of number of days
	Correct loop control