Class	Index Number	Name



新加坡海星中学

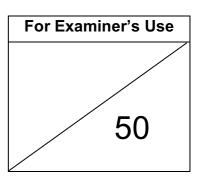
MARIS STELLA HIGH SCHOOL PRELIMINARY EXAMINATION SECONDARY FOUR

COMPUTING

Paper 2 Practical (Lab-based)

7155/02 29 Aug 2018 2 hours 30 minutes

MARKING GUIDE



This document consists of 5 printed pages.

Task 1

Question	Answer	Marks
1		
	=VLOOKUP(B4,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B5,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B6,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B7,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B8,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B9,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B10,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B11,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B12,\$F\$19:\$G\$21,2,FALSE)	
	=VLOOKUP(B13,\$F\$19:\$G\$21,2,FALSE)	

Question		Answer	Marks
2			
	=C4*D4		
	=C5*D5		
	=C6*D6		
	=C7*D7		
	=C8*D8		
	=C9*D9		
	=C10*D10		
	=C11*D11		
	=C12*D12		
	=C13*D13		

Question	Answer	Marks
3	=SUM(E4:E13)	

Question	Answer	Marks
4	=SUMIF(B4:B13,A20,C4:C13)	

Question	Answer	Marks
5	=PMT(B5,B4*12,B3,0,0)	

Question	Answer	Marks
6	=E4*E5*E6	

Question	Answer	Marks
7	=SUM(B4:B6,E7)	

Question	Answer	Marks
8	=IF(B10<0,"Loss",IF(B10=0,"Break Even","Profit"))	

Question		-	Answer		Marks
9	Check for the following two cells:				
	Total profits per Mor	nth	\$ -		
	Students per Class	15.659	50278		

Task 2

Question	Answer	Marks
10 (a)	no_of_students = 36	
10 (b)	shortest = 2.85	
	if shortest > height:	
	shortest = height	
	print("Shortest height of student is ", shortest)	
10 (c)	while height < 1.2 or height > 2.85:	
	height = float(input("Re-enter the height of student in	
	metres(m)between 1.2 to 2.85 : "))	

Question	Answer	Marks
11	no_of_students = int(input("Enter number of students in the class: "))	

Task 3

Question	Answer	Marks
12	negative = []	
	positives = [] zeros = ""	
	number = input("Enter an integer(enter q to quit):)	
	while number <> "q":	
	num = <u>str</u> (number)	
	if num < 0:	
	negatives.append(num) elif num >= 0:	
	positives.append(num)	
	<u>else</u> <u>zeros += num</u>	
	number = input("Enter an integer(enter q to quit):)"	
	print("The numbers were: ")	
	for n in negatives:	
	<pre>print(negatives[n]) for z in zeros:</pre>	
	print(zeros[z])	
	for p in positives: print(positives[p])	
	corrected lines	
	negatives = []	
	zeros = []	
	number = input("Enter an integer(enter q to quit): ")	
	while number != "q":	
	num = int(number)	
	elif num > 0:	
	else:	
	zeros.append(num)	
	number = input("Enter an integer(enter q to quit): ")	
	print(n)	
	print(z)	
	print(p)	

Task 4

Question	Answer	Marks
13	Input ISBN in format 000-0-000-00000-0	
	Convert input to list of 13 numbers	
	Variable set up for weighted_sum	
	Variable set up and initialization of weight	
	Correct calculation of weighted_sum (1) using a loop (1) to	
	get through the numbered list	
	Correct setup (1) and calculation of the derived check digit	
	(1)	
	Correct comparison of check digit	
	Correct format validation of input	

Question	Answer	Marks
14	Test: four lines of output (3 times for 3 different input) (3) (-1	
	for each line with an error)	
	output matches stored program	

Question	Answer	Marks
15	Extend: Use of loop to repeat process	
	Loop condition to check for "q"	

Question	Answer	Marks
16	Extend: call for input for weights	
	check weights input is correct, 12 digits	
	loop to handle calculation of new weights	

-End of Paper-