

UNIVERSITI TEKNOLOGI MARA ASSESSMENT 1

(INDIVIDUAL ASSIGNMENT)

COURSE : INTRODUCTION TO STATISTICS

COURSE CODE : QMT181/STA104

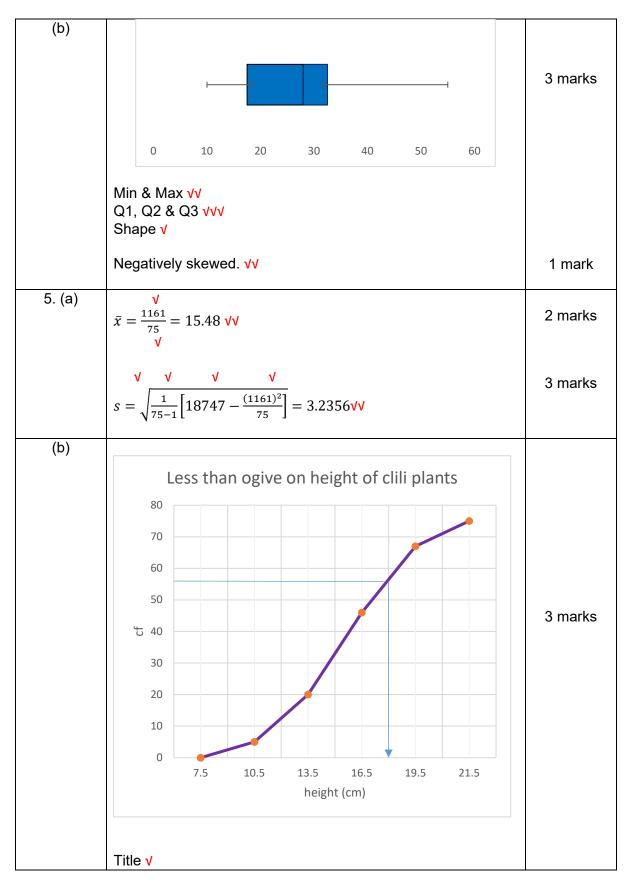
DATE : 20TH MAY 2022

TIME : 9.00 – 11.00 AM (120 MINUTES)

ANSWER SCHEME

(PLEASE CHECK THE SOLUTIONS BEFORE BEGIN MARKING)

QUESTION	SOLUTION					MARKS
1.	a) Ratio <mark>√</mark> √					
	b) Ordinal <mark>√√</mark>					
	c) Ordinal ٧	5 marks				
	o) Ordinal VV					
	d) Interval <mark>√</mark> √					
	e) Nominal 🗤	1				
2. (a)	All 3500 households in City X. √V					1 mark
(b)	Cluster Samplir					
	Step 1: Find the					
	Step 2: Find a r	4 marks				
	Sten 3: Then					
	Step 3: Then, our sample becomes 6 (Section 6) and 13 (Section 13). VV					
(c)	Variable: The					
	monthly. VV	0 1				
	Type: Quantitat	3 marks				
	Scale of Measu					
(d)	Sampling frame: List names of each 14 sections in City X. VV					1 mark
(e)	Telephone inte	1 mark				
3.						
	Teaching					
	method Traditional	High 180 √	Average	Low	Total 360	
	Online	85 √	108 √ 136 √	72 √ 119 √	340	5 marks
	Total	265	244	191	700	
4. (a)						
	Position of Q1 = $\frac{14+1}{4}$ = 3.75 \sqrt{V}					
	Q1 = 16 + (18 -					
	Position of Q2 :	6 marks				
	Q2 = 27 + (29 -	Umans				
	Position of Q3 :					
	Q3 = 32 + (34 - 4)					
	Q0	02)(U.2U)	— UZ.U VV			



	x-axis & y-axis VV Points VV Shape V	
(c)	$\frac{75}{100} \times 75 = 56.25$ VV (line in graph) $X = 18 \text{ VV}$	2 marks