NATIONAL UNIVERSITY OF SINGAPORE

CS1231 – Discrete Structures

(Semester 1: AY2016/17)

ANSWER SHEETS

Time Allowed: 2 Hours

INSTRUCTIONS TO CANDIDATES

- 1. These Answer Sheets consist of **EIGHT (8)** printed pages.
- 2. Fill in your **Student Number** <u>clearly</u> below with a pen.
- 3. The last blank page (page 8) may be used if you need more space to write your answers.
- 4. You may write your answers in pencil.

STUDENT NUMBER:

A	
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(Write your Student Number above legibly with a pen.)

FOR EXAMINER'S USE ONLY						
Questions	Max.	Marks				
MCQs (Q1-15)	30					
Q16	13					
Q17	12					
Q18	10					
Q19	15					
Total	80					

CS1231 Section B (50 marks)



Continue your answer to Q16(c) here only if you need to:



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Q17.

(b) ii. Which algorithm are you using? Kruskal's / Prim's ← Must indicate!
[3]



(c) [4]









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Q19.		[15 marks]
(a) 🛛		
[2]	$a_3 =$	
	$a_4 =$	
	$a_5 =$	
	$a_{6} =$	

(b) [4]

Q19.								
(c) [9]								

This page is intentionally left blank. Do NOT use it for your rough work. Use it ONLY if you need extra space for your answer, in which case please indicate the <u>question number clearly</u>.

~~~ END OF PAPER ~~~