

Question Number	Marks Awarded
1	
2	
3	
4	
5	
6	
7	
8	
TOTAL:	

Assessor: Prof F. Nyabadza
Moderator: Dr R. Ouifki
Duration: 2 Hours
Marks: ??



APPLIED MATHEMATICS

Variational Calculus & Optimization Techniques

APM3A10

Supplimentary Examination: /07/2020

Name: _____ **Student Number:** _____

Instructions:

1. Check that this question paper consists of ?? pages in total.
2. All calculations must be shown clearly.
3. Pocket calculators are permitted.