


Student Code						
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**Earthquake, Volcano and Tsunami****A. Merapi Volcano Eruption**

Question	Answer	Marks
A.1 (0.5 pt.)	$T_e =$	
A.2 (0.3 pt.)	$p_e =$	
A.3 (0.5 pt.)	$v_g =$	



**B. The Yogyakarta Earthquake**

Question	Answer	Marks
B.1 (0.5 pt.)	$v_p =$	
B.2 (0.6 pt.)	$t_{direct} =$  $t_{reflected} =$	
B.3 (1.2 pt.)	$v_m =$	
B.4 (1.4 pt.)	$X =$	
B.5 (1.0 pt.)	$T =$	
B.6 (1.0 pt.)	$T(p) =$	

**C. Java Tsunami**

Question	Answer	Marks
C.1 (0.5 pt.)	$E_p =$	
C.2 (1.2 pt.)	$v =$	
C.3 (1.3 pt.)	$A =$	

48<sup>TH</sup> IPHO 2017  
YOGYAKARTA- INDONESIA  
16 - 24 JULY 2017

----- DO NOT WRITE BELOW -----

SECTION	SCORE
Section A	
Section B	
Section C	
<b>TOTAL</b>	

