

 Universiti Malaysia PAHANG <small>Engineering • Technology • Creativity</small>	SUBJECT: ORDINARY DIFFERENTIAL EQUATIONS		MARKS: /10
	CHAPTER: 4	CODE:	
	ASSESSMENT: QUIZ	NO: 7	
NAME:			STUDENT ID : SECTION :

1. Consider

$$f(t) = 2t; \quad 0 < t < \pi$$

For a half-range cosine series,

- i) Sketch waveform over $-3\pi < t < 3\pi$.
- ii) Write down the analytical description.
- iii) Obtain the half-range Fourier cosine series.

[10 marks]

