

 <p>Universiti Malaysia PAHANG <small>Engineering • Technology • Creativity</small></p> <p>FACULTY OF INDUSTRIAL SCIENCES & TECHNOLOGY</p>	SUBJECT: MATHEMATICS FOR MANAGEMENT		MARKS: /10	
	CODE: BUM1123	TOPIC: MARKUP AND MARKDOWN		
	ASSESSMENT: QUIZ	NO: 6		DUE/DURATION: 10 MINUTES
NAME: _____ STUDENT ID: _____ SECTION: _____				

- Ah Keong is a retailer. He bought 200kg of carrots for the price of RM50.40. 10% of the carrots were spoilt and have to be thrown away. If Ah Keong wants a 60% mark-up based on the retail price,
 - Find the retail price of the carrots per kg.
 - Find the profit obtained by Ah Keong.

(7 Marks)

- After a markdown of 30%, an antique table is sold for RM 875. What was the original selling price?

(3 Marks)

No	Answer	Marks
1	<p>RM 50.40 for 200kg carrots So 1kg = RM0.252 10% of 200kg=20kg are spoilt</p> <p>$R = C + M$ $R = RM 50.40 + (60\%)R$ $= RM 50.40 + 0.6R$ $0.4R = RM 50.40$ $R = RM 126$</p> <p>$R = \frac{RM126}{180kg} = RM0.70\text{perkilogram}$</p> <p>Profit: $RM 126 - RM 50.40 = RM 75.00$</p>	<p>M1 M1 A1 M1A1 M1A1</p>
		7 Marks
2	<p>MD: $30\% = OP - NP$ $30\% MD = \frac{MD}{OP} \times 100\%$ $30\% = \frac{OP-875}{OP} \times 100\%$ $0.3 OP = OP - 875$ $0.7 OP = 875$ $OP = RM 1250$</p>	<p>M1 M1 A1</p>
		3 Marks

