
 KEMENTERIAN PENDIDIKAN TINGGI  POLITEKNIK MALAYSIA KUCHING SARAWAK JABATAN MATEMATIK, SAINS DAN KOMPUTER		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
		COURSEWORK ASSESSMENT		END OF CHAPTER 1	
		SESSION		JUNE 2018	
NAME		DURATION	60 MINS	CLO1	10 MARKS
REGISTRATION NO.				CLO2	
PROGRAMME/ SECTION	IPP1			CLO3	
		TOTAL MARKS			10 MARKS

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. You may use a non-programmable scientific calculator.

Question 1 [CLO1, C1]

In each case, make x the subject of the formula. Simplify your answers if possible.

(a) $P = \frac{x}{2} + m$

(b) $K = \frac{1}{2}zx^2$

[2 marks]

Question 2 [CLO1, C2]

Solve the equations.

$$\frac{5}{x+6} = \frac{2}{2x+6}$$

[2 marks]

Question 3 [CLO1, C2]

A bank offers a simple interest rate of 5% per annum. John deposits RM15000 in the bank. Calculate the interest that he will receive after five years.

[2 marks]

Question 4 [CLO1, C3]

RM5000 is deposited into a bank account by Pete with the annual interest rate of 4% and compounded once a year. Calculate the amount he will have after three years.

[2 marks]

Question 5 [CLO1, C2]

Solve the simultaneous linear equation by using elimination method.

$$2x + 3y - 13 = 0$$

$$3x - y - 3 = 0$$

[2 marks]

~ END OF QUESTIONS ~