

Peperiksaan Akhir Sesi December 2017PBM1035: Intensive Mathematics1.15 Tengah hari
(2 Jam)

Bahagian A: Struktur (5 Soalan)

Bahagian B: Struktur (2 Soalan)

Section A

Bahagian A: 60 Markh

Question 1 (Ming Foo)(a) List examples for each type of the number below.

(i) Two (2) Examples of Integer Number. (2 marks)

 $-3, -2$

(ii) Three (3) Examples of Real Number. (3 marks)

 $0, 1, 2, \frac{1}{2}$ (b) Calculate the following arithmetic expressions: (2m)(i) $10 + 1100 \div 5 - 30$ (3 marks) (ii) $40 + 80 \div (4 \times 5)$ (2m) (iii) $3(5+3) - 5$ (2m)

$$= 10 + 1100 \div 5 - 30$$

$$= 10 + (1100 \div 5) - 30$$

$$= 10 + 220 - 30$$

$$= 230 - 30$$

$$= 200$$

$$= 40 + 80 \div (4 \times 5)$$

$$= 40 + 80 \div 20$$

$$= 40 + 4$$

$$= 44$$

$$= 3(8) - 5$$

$$= 24 - 5$$

$$= 19$$

(c) Solve the arithmetic expressions below by using appropriate operation rules.(i) $16[-5 + (-2)] \times (-2) - 4$ (4m) (ii) $6(-8 + 2) \times (3 + 2) \div 10$ (4m)

$$= 16(-7) \times (-2) - 4$$

$$= 16(14) - 4$$

$$= 224 - 4$$

$$= 220$$

$$= 112 \times (-2) - 4$$

$$= 224 - 4$$

$$= 220$$

$$= 6(-6) \times (5) \div 10$$

$$= 6(-30) \div 10$$

$$= 6 \times -3$$

$$= -18$$

$$6(-6) \times 5 \div 10$$

$$= -36 \times 5 \div 10$$

$$= -180 \div 10$$

$$= -18$$