|  |  |  |  |
| --- | --- | --- | --- |
|  |  | COURSE CODE/ COURSE NAME | PBM1035 INTENSIVE MATHEMATICS |
| COURSEWORKASSESSMENT | END OF CHAPTER 2 |
| SESSION | DECEMBER 2018 |
| **JABATAN MATEMATIK, SAINS DAN KOMPUTER** | DURATION | 60 MINS | CLO1 |  |
| NAME |  | CLO2 | 20 MARKS |
| REGISTRATION NO. |  | CLO3 |  |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | 20 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, C2 | [2 marks] |
| Given a function $f\left(x\right)=-3x^{2}+2x+4$, identify $f(-5)$ and $f\left(0\right).$ |

**Question 2**

|  |  |
| --- | --- |
| CLO1, C2 | [5 marks] |
| 1. Complete the following table for the function of a straight line $y=6x-3$ for range $-2\leq x\leq 2$.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-2$$ | $$-1$$ | 0 | 1 | 2 |
| $$y$$ |  |  |  |  |  |

 |

|  |  |
| --- | --- |
| CLO1, C3 | [4 marks] |
| 1. Plot the graph of straight line $y=6x-3$ for range $-2\leq x\leq 2$.
 |

**Question 3**

|  |  |
| --- | --- |
| CLO1, C2 | [3 marks] |
| Given the straight line AB with the equation of $y=2x-3$. 1. Identify the y-intercept and x-intercept.
 |
| CLO1, C3 | [4 marks] |

1. Given another equation $y=-2x+3$. Draw the graph of both lines on the same graph paper.

|  |  |
| --- | --- |
| CLO1, C3 | [2 marks] |

1. Graphically, identify the intersection point of these two lines.