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|  |  | COURSE CODE/ COURSE NAME | PBM1035 INTENSIVE MATHEMATICS |
| COURSEWORKASSESSMENT | GROUP DISCUSSION |
| SESSION | DECEMBER 2018 |
| **JABATAN MATEMATIK, SAINS DAN KOMPUTER** | DURATION | 60 MINS | CLO1 |  |
| NAME |  | CLO2 |  |
| REGISTRATION NO. |  | CLO3 | 10 MARKS |
| PROGRAMME/ SECTION | IPP1 | 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**

Differentiate the following functions.

|  |  |
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| CLO1, C1 | [2 marks] |
| 1. $y=-21x.$
 |
|  |
| CLO1, C2 | [2 marks] |
| 1. $y=-21x^{-2}$.
 |
|  |
| CLO1, C2 | [2 marks] |
| 1. $y=6x^{-5}+\frac{2}{3}x^{3}$.
 |
|  |
| CLO1, C3 | [2 marks] |

1. $y=2x^{2}\left(4x^{3}-7\right)$

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

1. $y=\frac{8x^{3}-4x}{2x}$