**POST MOCK 2019 -September MATHEMATICS**

Form 4

Paper 1

**MARKING SCHEME**

**SECTION I**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **WORKING** | **MARKS** | **GUIDELINES** |
|  | Numerator:Denominator:Quotient | M1M1A1 |  |
|  |  | 4 |  |
|  | 1. (i)

(ii) 0.03628 | B1B1M1A1 |  |
|  |  | 3 |  |
|  | Decagon  | M1A1B1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |   | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |

|  |  |
| --- | --- |
| 3 | 189 |
| 3 | 63 |
| 3 | 21 |
| 7 | 7 |
|  | 1 |

 | M1M1A1 | Table  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 | for conversion |
|  |  | 3 |  |
|  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2 | 1764 |  | 2 | 2744 |
| 2 | 882 |  | 2 | 1372 |
| 3 | 441 |  | 2 | 686 |
| 3 | 147 |  | 7 | 343 |
| 7 | 49 |  | 7 | 49 |
| 7 | 7 |  | 7 | 7 |
|  | 1 |  |  | 1 |

 | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | M1M1A1 |  |
|  |  | 3 |  |
|  |  | A1M1A1 |  |
|  |  | 3 |  |

**SECTION II**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1. (**i**)

 (**ii**)  | M1A1M1M1A1M1A1M1M1A1 |  |
|  |  | 10 |  |
|  | Minimum velocity | M1A1M1A1M1A1M1A1M1A1 |  |
|  |  | 10 |  |
|  |  | M1M1A1M1M1A1M1A1M1A1 |  |
|  |  | 10 |  |
|  |  | M1M1M1A1M1A1M1M1M1A1 |  |
|  |  | 10 |  |
|  | Curved surface area | M1M1M1M1M1A1M1M1M1A1 |  |
|  |  | 10 |  |
|  | 1. Assumed mean = 57

|  |  |  |  |  |  |
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|  |  |  |  |  |  |

1. 50th student

  | B1B1M1A1M1M1A1M1M1A1 | For the values of x |
|  |  | 10 |  |
|  |  | M1M1M1A1M1M1A1M1M1A1 |  |
|  | 0 | 10 |  |
|  | 1. Bearing of S from P = 0750
2. Distance of Q from S =

 = 1. Bearing of Q from R =
2. Distance of R from S =

 =  | B1B1B1B1B1M1A1B1M1A1 |  |
|  |  | 10 |  |