**FORM 2 MARKING SCHEME 2022**

**MATHS**

**OPENER EXAMINATION TERM 3, 2022**

|  |  |  |
| --- | --- | --- |
| NO | WORKING | MARKS |
| 1 |  | M1M1A1 |
| 2 |  ........ (i) ....(ii) ..... (iii) ...... (iv)Subtract (ii) from (iv) | M1M1A1 |
| 3 |  | M1A1M1A1 |
| 4 | =48 | M1B1A1 |
| 5 |  | M1A1 |
| 6 |  | M1A1A1B1 |
| 7 |  Remainder after expenditure    | M1M1A1 |
| 8 |  | M1M1 A1 |
| 9 |  | M1M1A1 |
| 10 |  **N** D   | M1M1A1 |
| 11 |   (4 s.f) | M1M1A1 |
| 12 | ==  | M1B1A1 |
| 13 |  2.2 = 60 x 2 x 22 x r 360 7 r = 2.2 x 360 x 7 60 x 44  r = 2.1   | M1M1A1 |
| 14 |  .... (i) ........(ii)From (ii), Coordinates are  | M1A1 both values of *x* & *y*B1 |
| 15 |  | M1B1A1 |
| 16 |

|  |  |  |  |
| --- | --- | --- | --- |
| 2 | 20 | 24 | 28 |
| 2 | 10 | 12 | 14 |
| 2 | 5 | 6 | 7 |
| 3 | 5 | 3 | 7 |
| 5 | 5 | 1 | 7 |
| 7 | 1 | 1 | 7 |
|  | 1 | 1 | 1 |

 | M1 *for the table*B1A1 |
| 17 | 1. , and
2. , and
3. Reflection on the y axis

 1. , and

 | B1B1 reflection on B1 B1 rotationB1 B1 B1B1B1 reflection on B1  |
| 18 | 1.
2. i)

 ii)  | M1M1A1B1M1A1M1A1M1A1 |
| 19 | 1. i)

 Ii) iii)  iv)  | B1 *observe the condition*B1M1A1M1A1B1B1M1A1 |
| 20 | 1. Original price

After increase shillingsAfter reduction Price after decrease shillings1. Rate =

Volume of water that flows in 8 mins =  Volume of water as at 5.00 p.m Volume as at 5.08 p.m. Height of water = 1. Selling price =

Profit = Commission earned =  | M1M1 A1M1M1M1A1M1M1A1 |
| 21 |  | B1M1B1A1M1M1B1A1M1A1 |