**FORM 4 MARKING SCHEME PAPER 1**

**END OF TERM 1 2021**

|  |  |
| --- | --- |
| ¼ -  ¼ - | for  for  for |
| 1. No. std Log   0.006628      +  193.9 .    2.2822 .    0.1198 . | for  for  for  for |
|  | for  for 64, 343  for |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\img20210904_10301958.jpg  Length of diagonal  ½ diagonal = 50  Height =  =  226. 2 | for  for expression of volume  for |
|  | for  for  for |
|  | for  for  for |
| Number of triangles | for  for  for |
| AC =  AC = 14  Area = ½ | for of AC  for  for |
| Distance -  = | for  for  for |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\img20210904_11323170.jpg  Rs = 7.cm  1: 4000  7.4: 7.4  = 29600 | for  for  for  for |
| Sin  ½ -  =  = | for  for  for |
| Del = 5x – 4 -3  = -20 – 9 = -29. | for  for  for |
| 1. Reciprocal of | for  for  for |
| 1. 1 US dollar = | for  for  for |
| 5x – 3x  5+ 7 | for  for  for |
| 1. 5184   = 72  2744  = | for  for  for and  for |
| 1. (a)   Gradient of AB =  b. mid point of AB    Perpendicular bisector gradient =  AB  3y= – 2x + 14 + 36 | for  for  for  for  for  for  for  for  for  for |
| (b) Remainder  = 101 250  = 101250      (c)  45000  (d)  Chirchir new share =  = 260,000 | for  for  for  for  for  for  for  for  for  for |
| 1. 400km   Nairobi Mombasa  8.00am 8.30am  80Km/h 120Km/h  Time =    (ii) Distance by coast bus for ½ hr.  = 80  R.D = 400 - 40 = 360 Km  R.S = 80 + 120 = 200Km/h  R.T =  Time met =  = 10: 18am   1. R.T =   Coast by distance in 1  = 80  = 144 km  Distance = 40 + 144  = 184   1. In 3hr20min coast bus covers   = 80  = 80  Distance from Mombasa | for  for  for  for  for  for  for  for  for  for  for |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\img20210904_13463116.jpgAD = 8.7 cm =  Bearing = | for  for  for  for  for  for |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | |  | 0 | 1 | 4 | 9 | 16 | 25 | 36 | |  | 0 | -6 | -12 | -18 | -24 | -30 | -36 | |  | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |  | 7 | 2 | -1 | -2 | -1 | 2 | 7 | |  |  |  |  |  |  |  |  | |  |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\img20210904_14174734.jpg | |
| 1. (i)   Angles on a straight line  (ii)  Angle on cyclic quadrilateral  (iii)  Base angle of isosceles triangle  (iv)  Angle between a chard a tangent( Nagle in alternate segment)  Angles on a triangle. | for  for  for  for  for  for  for  for  for  for |
| 1. AB height =     Area ABC  = ½  = 10.78  = 10.8  (ii)  A= ½    0.8471 sin BCD    = 57.8 = BCD  (iii) B    (iv) | for  for  for  for  for  for  for  for  for  for |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Marks | x | F | Tx-A | FT | CF | | 48 – 52 | 50 | 3 | -14 | -42 | 3 | | 53 – 57 | 55 | 4 | -9 | -36 | 7 | | 58 – 62 | 60 | 10 | -4 | -40 | 17 | | 63 – 67 | 65 | 12 | 1 | 12 | 29 | | 68 – 72 | 70 | 8 | 6 | 48 | 37 | | 73 – 77 | 75 |  | 11 |  | 40 |  1. Modal class 63 – 67 2. Mean = A   64 +  = | for  for  for  for |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\img20210904_15063217.jpg | |