**Panduan Penskoran**

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| No. soalan |  | Penyelesaian dan jawapan | | Sub markah | Jumlah Markah |
| 1. | a) | , ,  Nota : Lebih daripada 3 jawapan, P0 | | P1  P1  P1 | 3 |
| b) | @ setara | | K1  N1  K1  N1 | 4 |
| c) | 8m  8m  4  (i) Luas kolam ikan/ *Area of the fish pond*  = (8 x 8) - (x 4) @ (64 – 32)m2  = 32 m2  Luas kawasan yang ditanam dengan pokok bunga/ *Area ot region planted with flower plants*  =  = 32 cm2  (ii) Luas kolam ikan dan luas kawasan yang ditanam dengan pokok bunga adalah **sama**.  *The area of fish pond and the area of the region planted with flower plants are the* ***same***  **Nota: Terima jawapan yang munasabah** | | K1  N1  N1 | 3 |
| 2. | a) | (i) *xz2*  (ii) –3*z2*  (iii) –3*x2y* | | P1  P1  P1 | 3 |
| b) | 4x = 99° + x  4x – x = 99° @ 3x = 99°  x = 33° | | K1  K1  N1 | 3 |
| c) | 4 + 2x +18 + 2y = 40 @ 22 + 2x + 2y = 40 @  2x + 9y = 46  = 40  *x* = 5  *y* = 4 | | K1  K1  N1  N1 | 4 |
| 3. | a) | -  +  -  Nota :tidak terima jawapan dalam perkataan | | N1  N1  N1 | 3 |
| b) | x = 180 – 60  x = 120 | | K1  N1 | 2 |
| c) | Imej bagi objek P  Imej bagi objek Q  Pentagon | | K2  K2  N1 | 5 |
| 4. | a) |  | | P1  P1  P1 | 3 |
| b) | (i) 3000 + 7000 + 8000 + 5000  23 000  NOTA : Terima jawapan tanpa kerja , K1N1  (ii) (8000 – 5000) x RM1.20 @ 3000 x RM1.20  RM 3600 | | K1  N1  K1  N1 | 4 |
| c) |  |  | K1  K1  N1 | 3 |
| 5. | a) | (i)  (ii) x  (ii) | | P1  P1  P1 |  |
| b) | i)  Binaan sudut 120°  Binaan panjang QR = 6 cm  Sisi empat lengkap PQRS  (ii) ∠*PSR* = 127°1° | | K1  K1  N1  N1 | **4** |
| c) | 1. Titiktengah 2. Jarak | | K1  N1  N1 | **3** |
| 6. | a) | Nota : Lebih daripada 3 jawapan, P0 | | P1  P1  P1 | **3** |
| b) | @ 8 m  Luas ABCD = 6 X 8 @ 48 m2 @  48 -41.84 = @  @  @    8.8m | | N1  K1  N1 | 3 |
| c) | (i) Lokus bagi suatu titik yang bergerak dengan keadaan RS = RX @ RX = RQ.  (ii) Lokus bagi suatu titik yang bergerak yang membahagi dua sama sudut PSR @ ∠ PST = ∠ RST | | P2  P2 | 2  2 |
| 7. | a) | 1200 @ 12.00 pm  1220 @ 12.20 pm @ 3.05 pm  1505  Nota : Terima tanpa pm | | K1  K1  N1 | 3 |
| b) | @  @  580 + 250 + 80  910 | | K1  K1  N1 | 3 |
| c) | (i) Masa perjalanan  = - jam + 1 jam + 2 jam  = jam @ 5jam 30 minit  Waktu tiba =0815 + 0530  = 1345  ii)  Jarak = Laju x Masa  Jarak PQ = (80 x 2.5) + (75 x 2)  = 200 + 150  = 350 km  Masa perjalanan =  = 5 jam  Waktu mula perjalanan = 1345 - 5  = Jam 0845 | | K1  K1  N1 |  |
| 8. | a) | |  |  |  | | --- | --- | --- | | *Description: C:\Users\ASPIRE\AppData\Roaming\PixelMetrics\CaptureWiz\LastCaptures\2017-04-01_11-43-11-563.png* | Description: C:\Users\ASPIRE\AppData\Roaming\PixelMetrics\CaptureWiz\LastCaptures\2017-04-01_11-47-23-412.png | Description: C:\Users\ASPIRE\AppData\Roaming\PixelMetrics\CaptureWiz\LastCaptures\2017-04-01_11-47-56-716.png | | Kon /*cone* | Piramid / *pyramid* | Prisma / Prism |   Nota : Kesalahan ejaan, P0 | | P1  P1  P1 | 3 |
| b) | (i) 12936 cm3  (ii) x x 3.53 = 89.8 cm3  @ 144.05 cawan air  145 cawan | | N1  K1  K1  N1 | 4 |
| c) | (i)  (ii)  (iii) | | N1  N1  N1 | 3 |
| 9. | a) | 1. Mengikut arah jam 2. 90o 3. Pusat putaran O | | N1  N1  N1 | 3 |
| b) | **(i)** 1 : 25000  (ii) 24 cm x 25000  600000 cm  6 km | | N1  K1  K1  N1 | 4 |
| c) | 62 X 28 @ 1736 @ setara  1750 – 1736 @ 14 @ setara  Mencukupi kerana masih ada lebihan baja 14g | | K1  K1  N1 | 3 |
| 10. | a) |  | | P1  P1  P1 | 3 |
| b) | =  =  = | | K1  K1  N1 | 3 |
| c) | *p* = 6 | | N1 |  |

1. Semua titik diplot dengan tepat

Semua titik disambung dengan tepat

*y*

*x*

**1**

**2**

**3**

**-1**

**-2**

**-3**

**0**

**3**

**4**

**5**

**1**

**-2**

**-3**

**6**

**2**

**-1**