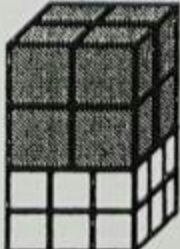
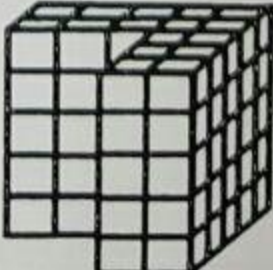


SKEMA PEMARKAHAN PEPERIKSAAN PERCUBAAN PT3 SBP TAHUN 2016

|                  |     |      |   |   |          |
|------------------|-----|------|---|---|----------|
| 1                | (a) |      | 5297 : Lima ribu dua ratus sembilan puluh tujuh<br><i>Five thousand two hundred and ninety-seven</i>  | P1  |          |
|                  |     |      | 56 783 : Lima puluh enam ribu tujuh ratus lapan puluh tiga<br><i>Fifty-six thousand seven hundred and eighty-three</i>  | P1  |          |
|                  |     |      | 819 : Lapan ratus sembilan belas<br><i>Eight hundred and nineteen</i>   | P1  |          |
|                  | (b) | (i)  | $= \frac{7}{8} + \frac{22}{8}$ $= \frac{29}{8} @ 3\frac{5}{8}$  | P1<br>N1  |          |
|                  |     | (ii) | $= 0.516$<br>$= 0.5$ (1 tempat perpuluhan)  | N1<br>P1  |          |
|                  | (c) |      | $= 32 + 2 + (-12) + (-6)$<br>$= 32 + 2 - 12 - 6$<br>$= 16$  | P1<br>K1<br>N1                                    |          |
| <b>10 MARKAH</b> |     |      |   |   |          |
| 2                | (a) |      | P = - 5<br>Q = 3<br>R = 15  | P1<br>P1<br>P1                                    |          |
|                  |     | (b)  | (i)   | $= \frac{18}{40} \times 100$<br>$= 45\%$          | K1<br>N1 |
|                  |     |      | (ii)  | $= 6.3 \times 10 \text{ km}$<br>$= 63 \text{ km}$ | P1<br>N1 |
|                  | (c) |      | Luas satu jubin = $0.36 \text{ m}^2$<br><br>Bilangan jubin yang diperlukan:<br>$= \frac{324}{0.36}$<br>$= 900$  | P1<br>K1<br>N1                                    |          |
| <b>10 MARKAH</b> |     |      |   |   |          |
| 3                | (a) |      | Box A / Kotak A (Side 20 cm / Sisi 20 cm)<br>$= (16 \times 5) + (9 \times 2)$<br>$= 98 @ \text{ equivalent / setara}$   | K1<br>N1  |          |
|                  |     |      | Box B / Kotak B (Side 30 cm / Sisi 30 cm)<br>$= 4 \times 2$<br>$= 8 @ \text{ equivalent / setara}$  |   |          |
|                  |     |      |   | N1  |          |
|                  |     |      | 8 box B + 18 box A      16 box B x 5 layers   |   |          |



|  |     |       |   |                |
|--|-----|-------|---|----------------|
|  | (b) | (i)   | R   |                |
|  |     | (ii)  | C   | P1             |
|  |     | (iii) | C   | P1             |
|  |     | (iv)  | B   | P1             |
|  |     |       | Note/ Nota :<br>For Question 5 b(i), (ii), (iii), (iv) Mark in the diagram accepted / Bagi soalan 5 b(i), (ii), (iii), (iv) Tanda pada rajah diterima |                |
|  | (c) |       | 1 kg = RM25 @ 2 kg = RM50 @ 3 kg = RM75<br>25w - 3 < 75 - 3<br>25w - 3 < 72   | K1<br>K1<br>N1 |

**10 MARKAH**

|   |     |      |  |   |
|---|-----|------|--|---|
| 6 | (a) |      | $8x + 7x = 180^\circ$<br>$x = 12^\circ$<br>$\angle ADC = 96^\circ$   | K1<br>K1<br>N1                                      |
|   | (b) |      | Seen / Dilihat $\angle PUT = \angle TQR$ @<br>Exterior angle = Interior opposite angle / Sudut peluaran = sudut pedalaman bertentangan yang sepadan @<br>$\angle RST = 180^\circ - x$ @ equivalent / setara<br>(Accept any unknown / terima apa-apa pemboleh ubah)<br><br>Since / Oleh kerana $\angle PUT + \angle RST = 180^\circ$<br>@ $\angle UPQ + \angle SRQ = 180^\circ$<br><br>Thus PU is parallel to RS / Maka PU selari dengan RS | P1<br><del>K1</del><br>K1<br><br>K1<br><br>N1<br>N1 |
|   | (c) | (i)  | 21 m   | N1  |
|   |     | (ii) | 8.6 m/s per second x 3 seconds / 8.6 m/s per saat x 3 saat<br>25.8 m/s   | K1<br>N1  |

**10 MARKAH**

|   |     |       |  |                                  |
|---|-----|-------|--|----------------------------------|
| 7 | (a) | (i)   | ✓  | P1                               |
|   |     | (ii)  | ✓  | P1                               |
|   |     | (iii) | ×  | P1                               |
|   | (b) | (i)   | $9^{-3}$ @ $\frac{1}{9^3}$ @ equivalent / setara   | P1<br>K1                         |
|   |     | (ii)  | $m^{\frac{2}{3}} + m^{\frac{2}{3}}$<br>$m^0$ or/ atau 1  | N1                               |
|   | (c) |       | Construct $\angle 45^\circ$ and $\angle 60^\circ$ correctly<br>Bina $\angle 45^\circ$ dan $\angle 60^\circ$ dengan betul<br><br>Construct a lines <b>BC</b> and <b>IE</b> correctly<br>Bina garis <b>BC</b> dan <b>IE</b> dengan betul<br><br>Construct a square <b>EFHI</b> correctly<br>Bina segiempat sama <b>EFHI</b> dengan betul<br><br>Construct equilateral triangle <b>FGH</b> correctly<br>Bina segitiga sama sisi <b>FGH</b> dengan betul | P1<br><br>P1<br><br>P1<br><br>P1 |

**10 MARKAH**

|   |     |      |  |                |
|---|-----|------|--|----------------|
| 8 | (a) | (i)  | Construction of the intersection of 2 perpendicular bisectors <i>Pembinaan persilangan 2 pembahagi dua sama seranjang</i>                        | P1             |
|   |     |      | Centre of the circle marked correctly<br><i>Pusat bulatan ditanda dengan tepat</i>   | P1             |
|   | (b) |      | 6 seen / <i>dilihat</i><br>$\frac{1}{2} \times 6 \times 8 \times 18$ or / <i>atau</i> $24 \times 18$ seen / <i>dilihat</i><br>$432 \text{ cm}^3$ | N1<br>K1<br>N1 |
|   | (c) | (i)  | $6m - 4n = 46$ or / <i>atau</i> $2m + n = 6$ seen / <i>dilihat</i><br>$m = 5$<br>$n = -4$  | P1<br>K1<br>K1 |
|   |     | (ii) | $51 \text{ cm}^2$ or / <i>atau</i> $51 + 12$ seen / <i>dilihat</i><br>$63 \text{ cm}^2$  | K1<br>N1       |

**10 MARKAH**

|   |    |    |  |                |
|---|----|----|--|----------------|
| 9 | a) | i  | <del>A</del> <del>C</del>  | P1             |
|   |    | ii | $\frac{18-2m}{12n}$<br>$\frac{9-m}{6n}$  | K1<br>N1       |
|   | b) | i  | Midpoint GH ( 8,2 )<br><i>Titik tengah GH ( 8,2 )</i><br><br>Thus coordinates H = ( 8, -2 )<br><i>Maka koordinat H = ( 8, -2 )</i> | P1<br>N1       |
|   |    | ii | $\left(0, \frac{8}{2}\right)$<br>(0,4)   | K1<br>N1       |
|   | c) |    | $3y + 18x + 14x + 10y$<br>$3y - 10y + 18x + 14x$<br>$-7y + 32x$  | P1<br>K1<br>N1 |

**10 MARKAH**

|    |    |     |   |          |
|----|----|-----|---|----------|
| 10 | a) | i   | $X = 240 - 170$<br>$= 70$   | K1<br>N1 |
|    |    | ii  | All bars fill correctly<br><i>Semua bar diisi dengan betul</i>  | P1       |
|    | b) | i   | Using a correct scale for y-axis<br><i>Menggunakan skala pada paksi-y yang betul</i>  | K1       |
|    |    | ii  | Plot all the points correctly<br><i>Menanda semua titik dengan betul</i>  | K2       |
|    |    | iii | Draw the graph completely<br><i>Melukis graf yang lengkap</i>   | N1       |
|    | c) | i   | $\tan x^0 = \frac{3}{4}$  | N1       |
|    |    | ii  | Seen length JK = 6 cm OR length KL = 12 cm<br><i>Panjang JK = 6 cm ATAU panjang KL = 12 cm dilihat</i><br>$= 18 \text{ cm}$ | P1<br>N1 |

**10 MARKAH**

Graf Soalan 10

