

MODUL TOPIKAL
SOALAN PERCUBAAN SPM 2022
SKEMA JAWAPAN

TOPIK TINGKATAN 4

BAB 10

NOMBOR INDEKS
(INDEX NUMBER)

SUMBER SOALAN:

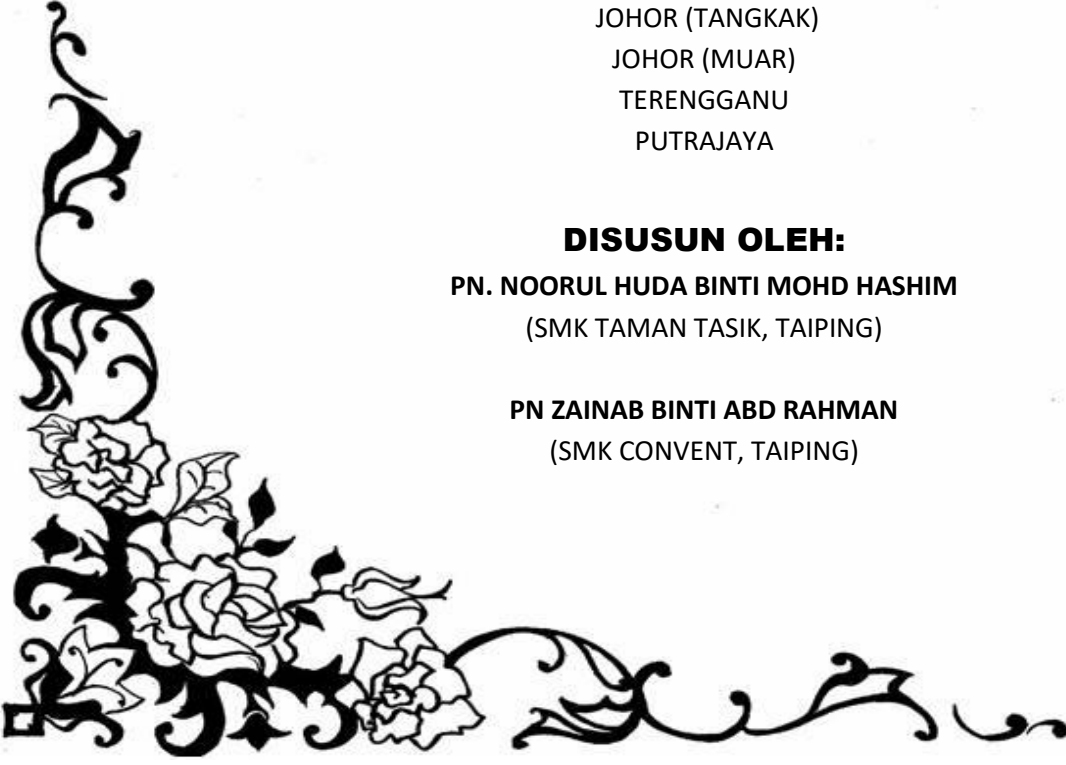
SOALAN – SOALAN PERCUBAAN

NEGERI SEMBILAN
SELANGOR SET A (MODUL PINTAS)
MELAKA
JOHOR (TANGKAK)
JOHOR (MUAR)
TERENGGANU
PUTRAJAYA

DISUSUN OLEH:

PN. NOORUL HUDA BINTI MOHD HASHIM
(SMK TAMAN TASIK, TAIPING)

PN ZAINAB BINTI ABD RAHMAN
(SMK CONVENT, TAIPING)



SOALAN 1 : SOALAN PERCUBAAN SPM NEGERI SEMBILAN 2022

13	(a)	$x = 13$	N1
		$y = 150$	N1
		$z = 4.80$ (tidak terima 4.8)	N1
	(b)	$\frac{x}{62.50} \times 100 = 134$	K1
	(i)	$x = 83.75$	N1
	(ii)	$\frac{104(2) + 150(5) + 150(1) + 125w}{2 + 5 + 1 + w}$	K1
		$\frac{104(2) + 150(5) + 150(1) + 125w}{2 + 5 + 1 + w} = 134$	K1
		dan selesaikan w	N1
		$w = 4$	N1
	(iii)	$\frac{x}{62.50} \times 100 = 124$	K1
		$x = 77.50$ (tidak terima 77.5)	N1
			10 markah

SOALAN 2 : SOALAN PERCUBAAN NEGERI SELANGOR (MODUL PINTAS SET A)

15	(a) $\frac{P_{2021}}{75} \times 100 = 145$ RM108.75	K1 N1	2	10
	(b) $\frac{(138 \times 10) + (30 \times h) + (145 \times 40) + (108 \times 20)}{100}$ $\frac{(138 \times 10) + (30 \times h) + (145 \times 40) + (108 \times 20)}{100} = 130$ $h = 122$	P1 K1 N1	3	
	(c) (i) $122 \times \frac{115}{100}$ atau $108 \times \frac{90}{100}$ ATAU $\frac{(100 \times 10) + (115 \times 30) + (100 \times 40) + (90 \times 20)}{100}$ $\frac{(138 \times 10) + (140.3 \times 30) + (145 \times 40) + (97.2 \times 20)}{100}$ ATAU $130 \times \frac{102.5}{100}$ 133.33 ATAU 133.25	K1 K1 N1	5	
	(ii) $\frac{P_{2025}}{128} \times 100 = 133.33^*$ (*Jawapan daripada (c)(i)) 170.66 ATAU 170.56	K1 N1		

SOALAN 3 : SOALAN PERCUBAAN SPM NEGERI MELAKA 2022

13 (a)	$x = \frac{12}{8} \times 100 \text{ or } \frac{4}{y} \times 100 = 80$	1	10
	$x = 150 \quad y = 5$	1,1	
(b)	$\frac{z+1}{z} \times 100 = 140 \quad \text{OR} \quad \frac{z}{z-1} \times 100 = 140$	1	
	Harga pada tahun 2012 = 3.50	1	
(c) i)	$\frac{150(3.85) + 140(3.25) + 125(0.7) + 80(2.2)}{3.85 + 3.25 + 0.7 + 2.2}$	1	
	129.6	1	
	Menaik/ increase 29.6%	1	
(c) ii)	$\frac{P_{2012}}{4072} \times 100 = 129.6 \quad \text{dan} \quad *P_{2012} \times 115\%$	1	
	6068.91	1	
	OR		
	$I_{2013/2011} = \frac{129.6 \times 115}{100}$	1	
	6068.91	1	

SOALAN 4 : SOALAN PERCUBAAN SPM NEGERI JOHOR (TANGKAK)

15 (a)	Menggunakan formula $I_{17/14} = \frac{P_{17}}{P_{14}} \times 100$ $p = 125$ $q = 48.00$ $r = 20.00$	K1 N1 N1 N1	4
(b)	$\bar{I}_{17/14} = \frac{125 \times 12 + 120 \times 14 + 90 \times 10 + 115 \times 4}{12 + 14 + 10 + 4}$ $= 113.5$	K1 N1	2
(c)	Komoditi B: $I_{21/14} = 156$ Komoditi D: $I_{21/14} = 103.5$ $\bar{I}_{21/14} = \frac{125 \times 12 + 156 \times 14 + 90 \times 10 + 103.5 \times 4}{12 + 14 + 10 + 4}$ $= 124.95$	P1 P1 K1 N1	4

SOALAN 5 : SOALAN PERCUBAAN SPM NEGERI JOHOR (MUAR)

14(a)	$\frac{P_{2019}}{8.50} \times 100 = 140$ $P_{2019} = RM11.90$	K1 N1	
14(b)	$B = 30$ $\bar{I} = \frac{90(50) + 160(30) + 140(10) + 120(10)}{50 + 30 + 10 + 10}$ $= 119$ $\frac{61\,750}{Q_{2016}} \times 100 = 119$ $Q_{2016} = RM51\,890.76$	P1 K1 N1 K1 N1	
14(c)	$x = \frac{165 \times 119}{100}$ $= 196.35$ Kenaikan sebanyak 96.35% dari tahun 2016 ke tahun 2021	K1 N1 N1	

SOALAN 6 : SOALAN PERCUBAAN SPM 2022 NEGERI TERENGGANU 2022

14	(a)	$175 = \frac{7}{x} \times 100$ atau $y = \frac{55}{40} \times 100$	K1	10
		$x = 4.00$	N1	
		$y = 137.50$	N1	
	(b)	$\frac{175(15) + 125(30) + 137.50(24) + 150(33) + 120(12)}{15 + 30 + 24 + 33 + 12}$	K1	
		140.92	N1	
	(c)	$\frac{P_{2022}}{4560} \times 100 = 140.92$ dan 6425.95	K1	
		917.99 // 918	N1	
		Cukup kerana RM 1000 melebihi RM 917.99 // RM 918	N1	
	(d)	$\frac{140.92 \times 120}{100}$	K1	
		169.10	N1	

SOALAN 7 : SOALAN PERCUBAAN SPM PUTRAJAYA 2022

12	(a)	$\frac{24 \times 100}{x} = 110$ $= \text{RM}21.82$ $\frac{18}{y} = 12 \times 100$ $= 150$ $\frac{130 \times 9.50}{z} = 100$ $= \text{RM}12.35$	K1 N1 N1 N1	4
	(b)(i)	$\frac{110(230) + 116(520) + 150(380) + 130(670) + 125(200)}{230 + 520 + 380 + 670 + 200}$ $= 127.36$	K1 N1	2
	(ii)	$\frac{Q}{50000} \times 100$ $= 127.36$	K1 N1	
		$Q_{2018} = \text{RM}63680$ $I_{2020/2016} = \frac{110 \times 127.36}{140.10} = 100$	K1 N1	4
			10 M	