SKEMA JAWAPAN BAHAGIAN A

1	A	2	B	3	A	4	C	5	B
6	B	7	A	8	A	9	C	10	B
11	C	12	D	13	C	14	C	15	A
16	C	17	A	18	A	19	D	20	B
21	C	22	D	23	D	24	A	25	B
26	D	27	C	28	A	29	D	30	A

SKEMA BAHAGIAN B SOALAN PERCUBAAN SAINS UPSR 2012

SOALAN 1

a) Observation:1 Tree P has more amounts of fruits compare to Tree Q.//
Bilangan buah pokok P lebih banyak berbanding pokok Q.//

The size of the leaves and trunk of tree P bigger than tree Q//
Saiz daun dan batang pokok P lebih besar berbanding pokok Q/ /

The leaves of tree P are greener than tree Q//
Warna daun pokok P lebih hijau berbanding pokok Q//

The fruits produced by tree P more quality than tree Q
Buah yang dihasilkan oleh pokok P lebih berkualiti berbanding Q

Inferens 1 Given more quality fertilizer//
Diberi baja lebih berkualiti//

Inferens 2 Tree P had a better heredity than tree Q. //
Baka pokok P lebih baik berbanding pokok Q.//

Tree P lack of pest attacks than tree Q//
Pokok P kurang diserang serangga perosak berbanding Q//

Soil at tree P moisture than tree Q
Tanah pokok P lebih lembap berbanding pokok Q

b) The more quality of fertilizer, the more amounts of fruits
Semakin bertambah kualiti baja semakin bertambah bilangan buah.
or/atau
If a better heredity of plants, the more amounts of fruits produce
Jika baka pokok lebih baik maka bertambah bilangan buah yang dihasilkan

Atau mana-mana jawapan yang sesuai/or any suitable answers

c) Quality of fertilizer and amounts of fruits
Kualiti baja dan bilangan buah
Or/atau
Heredity of plants and amounts of fruits
Baka pokok dan bilangan buah dihasilkan

2 a) To investigate the relationship between quantity of salt and the time taken of salt dissolve
Mengkaji hubungan antara kuantiti garam dan masa garam larut
or/atau
To investigate the relationship between quantity of salt and the boiling point of water
Mengkaji hubungan antara kuantiti garam dan takat didih air.

b) i-Quantity of salt
Kuantiti garam

ii- time taken of salt dissolve
masa garam larut
or/ atau
the higher boiling point
takat didih air

c) because less of quantity of salt
kerana kurang kuantiti garam

3 a) increases
Bertambah

b) To investigate the relationship between type of preservation and duration of food spoilage
Mengkaji hubungan di antara jenis pengawetan dan tempoh makanan menjadi rosak.

c) type of preservation and duration of food spoilage /type of food
jenis pengawetan dan tempoh makanan menjadi rosak/jenis makanan

d) The more quantity of salt, the more duration of food spoilage
Semakin bertambah kuantiti garam, semakin bertambah masa untuk makanan menjadi rosak

4 a) i - the higher of inclined plain
Ketinggian satah condong

Ii - time taken
Masa yang diambil

b) decrease
berkurang

c) If the height of the inclined plain increase, so the time taken increase too.
Jika ketinggian satah condong bertambah, maka masa yang diambil bertambah.

d) 6 atau 7 seconds (sebarang nombor diantara 5.1 saat hingga 7.9 saat)

Jadual Spisifikasi Ujian(JSI) Percubaan Sains 2012 MGB

No Soalan	Tahun dan Tajuk	Aras kesukaran			Catatan
		M	S	T	
1-Y4	1.3.1 Identify the basic needs of plants.	/			
2-Y6	1.2.5 Pupils list factors that plants /animal compete for.		/		
3-Y5	3.2.3 Predict what will happen if there is a change in population of a certain species in a food web.			/	
4-Y4	1.1.1 Classify objects into groups according to the materials they are made of.		/		
5-Y4	1.3.1 Identify the basic needs of plants.		/		
6-Y5	1.3.3 Explain how water is circulated in the environment.	/			
7-Y5	1.2.3 Identify the processes involved when a matter changes from one state to another.		/		
8-Y6	1.2.4 Give reasons why animals compete.		/		
9-Y4	1.5.4 Design a fair test to find out what factors cause rusting by deciding what to keep the same, what to change and what to observe	/			
10-Y6	1.3.1 Pupils state that friction is a type of force.	/			
11-Y6	2.1.6 Pupils describe how waste is disposal in a local area.			/	
12-Y6	1.3.4 Describe ways to increase friction.		/		
13-Y4	1.3.1 List objects and the materials that they are made of.	/			
14-Y6	1.4.3 Predict what will happen to the Earth if human activities are not controlled.		/		
15-Y6	1.2.3 State that a force can change the shape of an object.	/			
16-Y4	1.1.13 State what a translucent material is		/		
17-Y6	2.1.2 State that an object which moves faster takes a shorter time to travel a given distance.			/	
18-Y4	1.3.3 Pupils conclude that the Earth is the only planet in the Solar System that has living things.		/		
19-Y5	4.2.1 Pupils state that matter expands when heated.		/		

20-Y5	4.1.2 State that when a substance loses heat it will become cooler.		/		
21-Y4	1.5.3 Measure the mass of an object using the correct technique.	/			
22-Y4	1.2.1 Pupils give examples of development of technology.	/			
23-Y6	1.2.2 Conclude that complex machine is made up of more than one simple machine.			/	
24-Y5	3.2.1 Construct a food web			/	
25-Y6	1.2.2 Give examples of food for each type of food preservation		/		
26-Y6	1.2.2 State the position of the Moon, the Earth and the Sun during the eclipse of the Moon.			/	
27	1.4.2 Explain hoe human activities cause environmental destruction.		/		
28	1.1.2 Pupils list the planets in the Solar System in a sequence.		/		
29	2.3.3 Describe the phases of the Moon.	/			
30	1.2.1 Pupils identify simple machines in a complex machine.		/		
	TOTAL	9	15	6	

PEMBAHAGIAN TAJUK BAHAGIAN B SOALAN PERCUBAAN NEGERI PERAK 2012

SOALAN 1

1. TEMA :- Investigating Living Things Year 4
   Tajuk Cadangan :- Basic Need of plant.

SOALAN 2

2. TEMA :- Investigating Force and Energy Year 5
   Tajuk Cadangan :- Heat

SOALAN 3

3. TEMA :- Investigating Materials Year 6
   Tajuk Cadangan :- Food preservation

SOALAN 4

4. TEMA :- Investigating Technology Year 6
   Tajuk Cadangan :- Simple machine

Bahagian B ada 5 pembahagian soalan utama mengikut tema yang merangkumi 20 markah.
Sila rujuk JSU Bahagian B yang disertakan