UJIAN PERCUBAAN UPSR

TAHUN 2013

SAINS TAHUN 6

六年级 科学

1 jam 15 minit

- 1. 这份试卷分为两组: A 组和 B 组。回答所有的试题。
- 2. A 组有 30 题。每题有 A、B、C 和 D 四个选项,考生只能从中选出一个正确或最适当的答案。
- 3. B 组有 4 题。把答案写在试卷中指定的地方。
- 4. 考试结束时,必须把这份试卷交上。

姓名	 班级	•
VT.H	,	

Section A A组 [30 marks] (30 分)

Answer all questions. 回答所有的问题。

1. The diagram 1 shows a living thing. 图 1 显示一种生物。



Diagram 1

图 1

The living thing excretes its waste products through its… 这种生物通过……… 未排泄。

A. lungs

肺

B. kidneys 肾脏

C. moist skin

湿皮肤

D. trachea structure

气孔

2. The information shows the specific characteristics of two animals. 以下的资料显示两种动物的特征。

P Able to change skin colour according to the surrounding. 身体的颜色随着四周环境的颜色而改变。

Q Has sharp claws to hurt its enemies.

用利爪来残杀敌人。

Which of the following represent animals P and Q? 以下哪项代表动物P和Q?

	P	Q
Α	Artic fox	Elephant
	北极狐	大象
В	Chameleon	Tiger
	变色龙	老虎
С	Zebra	Lion
	斑马	狮子
D	Eagle	Cow
-	老鹰	4
	The Company of the state of the	

3. Diagram 2 shows animals classified into two groups, X and Y. 图2 显示动物被归类成X 和Y 两组。

X	Y
Rat	Frog
老鼠	青蛙
Bat	Butterfly
場場 場場	坳堞
Lion	Turtle
狮子	海龟

Diagram 2

图2

Which are represent by X and Y?

下面哪项代表X和Y?

A

C

D

X	Y
Take care of their young	Take care of their eggs
会照顾它们的幼儿	会照顾它们的卵
Give birth	Take care of their eggs
胎生	会照顾它们的卵
Live in solitary	Live in group
独居	群居
Give birth	Lay eggs
胎生	卵生

4. Diagram 3 shows a plant.

图三显示一种植物。



Diagram 3 图 3

Which of the following plant have the same breeding method with the plants above?

以下哪项植物的繁殖方法和上述植物相同?

- A. Nest fern
- 乌窝蕨
- B. Delonix 凤凰木
- C. Banana Tree 香蕉树
- D. Dandelion 蒲公英

- 5. Which of the following characteristics can help the plants avoid being uprooted when strong wind comes?
 下列哪项外形特征使植物免于被强风连根拔起?
 - A. Deciduous 落叶
 - B. Stem with waxy stem 有蜡质层的茎
 - C. Curly leaves 卷曲的叶片

腮腺病

- D. Firm and strong roots 牢固扎实的根
- 6. Which of the following are diseases causes by microorganisms?

以下哪一项疾病是由微生物所引起的?

I Measle II Lung cancer 麻疹 肺癌 III Mumps IV Asthma

哮喘

A. I and II B. I and III

[和 [[和 |]]]

C. II and IV D. III and IV

II 和 IV III 和 IV

7. Table 1 shows the average height of four type of plants.

表1显示四种植物的平均高度。

Table 1 表 1

Plants	Average height / m
植物	平均高度/米
Banana	3.4
香蕉	
Rubber	8.1
橡胶树	
Cocoa	3.5
गग	2. 情報的學問者以在 6. 5 ~ 10 元 5
Coconut	10.9
椰树	

Based on table 1, which plants could be planted together to avoid competition for sunlight?

根据表1, 哪些植物可被种植在一起以避免竞争阳光?

- A. Banana plant and cocoa plant 香蕉树和可可
- B. Rubber tree and cocoa plant 橡胶树和可可
- C. Rubber tree and coconut tree 橡胶树和椰树
- D. Coconut tree and banana plant 椰树和香蕉树

8. What is meant by friction?

什么是摩擦力?

- A. A force that acts on an object.施加在一个物体上的力
- B. A force that changes the position of an object. 改变物体位置的力
- C. A force that opposes the movement of an object. 与物体移动的方向相反的力
- D. A force that increases the speed of the moving object.
 使物体移动的速度增加的力
- 9. Diagram 4 shows the length of objects in the classroom.

图 4 显示课室里的物体的长度。

Length of object 物体的长度

Object

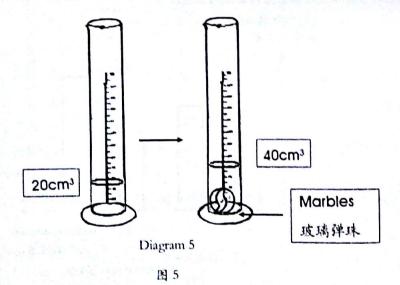
K L M N 物体

Diagram 4

Which of the following statement is correct?

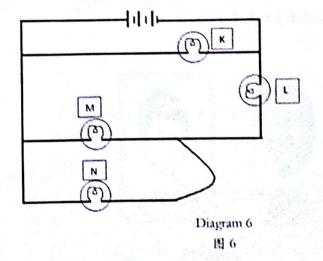
以下哪一项说明是正确的?

- A. K is longer than L K 比 l. 长
- B. Lis longer than N
 L. th. N. K
- C. M is longer than L M 比 L 长
- D. Lis longer than K L比K长
- 10. Diagram 5 shows an experiment. 图 5 显示一项实验。



How many marbles should be added to increase the water level to 80cm³? 须再加入多少个玻璃弹珠才可让水位上升至80cm³?

- A. 2 marbles 2 个玻璃弹珠
- B. 3 marbles 3 个玻璃弹珠
- C. 4 marbles 4 个玻璃弹珠
- D. 7 marbles 7 个玻璃弹珠
- 11. Diagram 6 shows an electric circuit. 图 6 显示一个电路。



Which of the bulb does **not** light up if bulb L blows? 如果灯泡L坏了,哪些灯泡将不会发亮?

- A. Konly
 - K而已
- B. M and K
 - M和K
- C. M and N
 - M和N
- D. K and N
 - K和N
- 12. Diagram 7 shows Ali looking at his image in the mirror.

图7显示阿里正在看着他在镜子的影像。

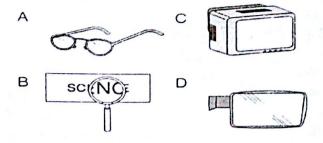




Diagram 7

Which of the following has the same function as the mirror?

下列哪项的用途和镜子一样?

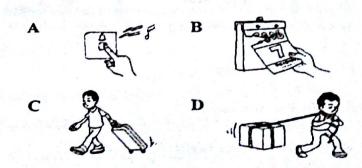


13. Diagram 8 shows a squeezing toothpaste action.
图 8 显示挤牙膏的动作。



Diagram 8 图 8

Which of the following using the same force as above? 以下哪项说明的力与上图一样?



14. Which of the following appliances changes electrical energy into light and sound energy?

下列哪个家庭电器把电能转换为光能和声能?

- A. Television 电视机
- B. Radio 收音机
- C. Alarm clock 闹钟
- D. Telephone 电话
- 15. Diagram 9 shows a cup of hot water.

图9显示一杯热水。



What will be happened, if a few ice cubes were added into the cup? 如果放入几块冰于杯子里,将会产生什么变化?

- The water gains heat 水吸收热能
- II. The water loses heat 水失去热能
- III. The water becomes warmer 水越来越热
- IV. The water becomes cooler 水越来越冷

- A. I and III I I 和 III I 和 III I 和 III I I 和 IV III 和 IV
- The information below shows the steps of an investigation to measured the volume of solid.

以下的资料显示测量固体体积的步骤。

P – Pour water into measuring cylinder and record its initial volume

将水倒入量筒后并记录的体积

Q - Put a marble into a measuring cylinder

将玻璃弹珠放入量筒

R - Calculate the volume of marble

计算玻璃弹珠的体积

S - Record the final volume of water

记录实验后水的体积

Which of the following shows the correct sequence of the steps in the process?

以下哪项是实验步骤的正确次序?

- A. Q,P, R, S
- B. P, Q, S, R
- C. Q, P, S, R
- D. Q, P, R, S
- 17. What is the characteristics of a spoilt food? 已变质的食物有什么特征?
 - I. Slimy

II. Tasteless

有黏液

- 没有味道
- III. Unpleasant smell
- IV. Last longer

有酸臭味

耐久

- A. I and II
- B. I and III
- I和II

- I和III
- C. II and IV
- D. III and IV
- II和IV
- III和IV

18. The following information is recorded when the blue and red litmus paper is being put into the substance L, M and N

下列资料显示当蓝色和红色石 蕊试纸被放入物质 L、M 和 N 后的观察结果。

Substances L - Red litmus paper become blue colour.

物质 1. - 红色石蕊试纸变蓝

Substances M - Blue litmus paper become red colour.

物质 M - 蓝色石蕊试纸变红

Substances N - Blue and red litmus paper has no changes.

物质 N - 蓝色和红色石蕊试纸的颜色没有变化

Which of the following represent substances L, M and N? 下列哪项显示物质 L、M 和 N?

	L	M	Ν
A	芒果	食油	蛋白
	Mango	Cooking Oil	Egg white
В	蛋白	芒果	食油
	Egg white	Mango	Cooking Oil
С	蛋白	食油	芒果
	Egg white	Cooking Oil	Mango
D	食油	蛋白	芒果
	Cooking Oil	Egg white	Mango

- 19. Which of the following are used as preservatives in food? 以下哪项是防腐剂?
 - I. Vinegar

II. Water

醋

水

III. Sugar

IV. Salt

A. I and II I和II

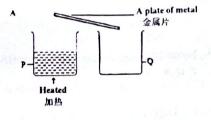
- B. I, II and III
 - I, II和III

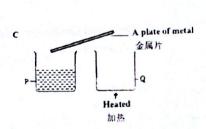
C. II and III II 和 III

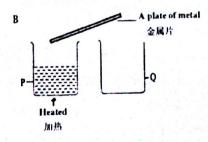
- D. I, III and IV
 - I, III和IV
- 20. Which of the following statements explain the benefits of recycling and reuse industrial waste?
 以下哪个说明再循环及再使用工厂废物的好处?
 - I. Reduce pollution.
 - 减少污染
 - Prevent the destruction of natural resources.
 预防天然资源被破坏
 - III. Produce new products from used materials. 把用过的材料制成新产品
 - IV. Reduce the cost of waste disposal. 减少处理废物的费用

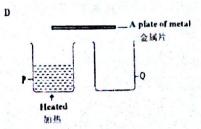
- C. II, III and IV D. I, II, III and IV I, II, III 和 IV
- 21. Meng Wei wants to transfer the water from beaker P to beaker Q by using a plate of metal. Which of the following is the correct method can be done by Meng Wei?

明伟要用金属片把水从烧杯 P 移到烧杯 Q。以下哪个方法是明伟可以采用的?









- 22. When the light of the sun completely obscured by the moon. Which of the following phenomena will be happen?

 当太阳的光完全被月球遮住时,下面哪项现象将会产生?
 - A. partial solar eclipse 日偏食
 - B. total solar eclipse 日全食
 - C. total lunar eclipse 月全食
 - D. partial lunar eclipse 月偏食
- 23. Which of the following constellations point to the north? 下列哪个星座指向北方?
 - I. Southern Cross 南方十字座
- II. Scorpion 天蝎座

III Orion 猎户座 IV. Big Dipper 北斗七星

A. I and II I № II B. III and IV III ≉ IV

C II and IV
II 和IV

D. I and IV I和IV 24. Diagram 10 shows the time at point X on the Earth is 12 p.m. 图 10 显示地球表面 X 地区的时间是中午 12 时正。

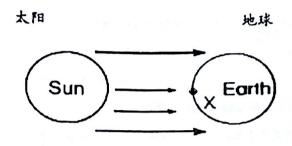


Diagram 10 图 10

After the Earth rotates one per four round, predict the correct time at point X. 当地球运转四分之一图后, 试预测 X 地区的正确时间。

- A. 3:00p.m.
- B. 6:00 p.m.
- C. 9:00p.m.
- D. 12:00a.m.

- 25. Xiao Min stands at the school field at 6:30 p.m. Predict the direction of shadow formed.
- 小民在下午六时三十分站在学校草场。试预测当时影子形成的方向。
 - A. North

B. South

北

南

C. East

D. West

东

- 西
- 26. The following information is about X.

以下资料是关于X。

- Huge chuck of rock
 - 巨大的岩石
- Travel around the Sun 绕着太阳运转
- Situated between Mars and Jupiter 在火星和木星之间

What is X?

什么是 X?

A. Asteroid

B. Planet

小行星

行星

C Comet

D. Meteor

廿里

流星

27. Which of the following shows the correct sequence in the development of technology in water transportation?

以下哪项是水路交通工具的工艺进展的正确排列?

A. Raft \rightarrow sailing boat \rightarrow sampan \rightarrow motor boat

B. Sailing boat → motor boat → sampan → raft

C. Raft → sampan → sailing boat → motor boat

D. Motor boat → sailing boat → raft → sampan

- 28. Diagram 11 shows the object are classified into group X and Y.
 - 图11显示被归类为 X 和 Y 组的物体。

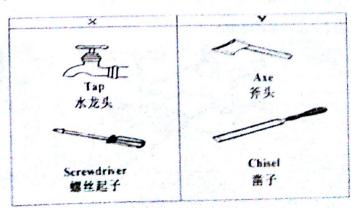


Diagram 11

图 11

Which of the following have been correctly classified into group X and group Y?
以下哪一項是X组和Y组的正确归类?

	X	Y
	Knife	Spanner
A	Л	拉手
	Steering wheel	Scissor
В	方向盘	剪刀
	Hammer	Knife
C	铁锤	7
	Ladder	Ice mag
D	梯子	冰链

29. Diagram 12 below shows the use of a simple machine.

下图显示简单机械的用途。

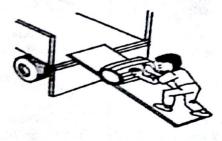


Diagram 12

图 12

Which of the following activities involves the use of the principle of a simple machine which is the same as the one shown above?

以下哪项活动所使用的简单机械原理与上图的机械原理相同?

- A. Raising a flag 升程
- B. Pushing a trolley 推动手推车
- C. Sharpening a pencil 创售笔
- D. Walking up the stairs 上楼梯
- 30. Diagram 13 shows time taken for a worker loading three barrels onto a lotry.

 图十三显示一个工人把三个铁桶移上罗哩所需要的时间。

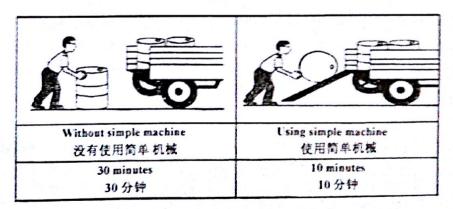


Diagram 13

图 13

Which of the following statement is correct?

以下哪个说明是正确的?

- A. Work is faster when using a simple machine 当使用简单机械时,工作变得较快
- B. Mass of barrels decreases when using a simple machine 当使用简单机械时,铁桶的质量减少
- C. Longer time is needed when using a simple machine 当使用简单机械时需要较长的时间
- D. More energy are needed when using a simple machine 当使用简单机械时需要较多的能

Section B B组 (20 marks) (20 分)

Answer all question. 回答所有的试题.

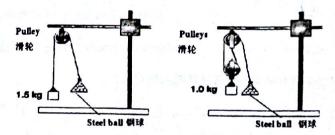
Write your answers in the space provided.

把答案写在虚线上。

- 1. A group of pupil carry out a fair test. They use a pulley to lift 8 steel balls and the mass of the load needed is recorded. After that, they use two pulleys to repeat the fair test. The diagram below shows the results of the fair test.
- 一群学生进行了一项实验。他们用滑轮举起8个钢球并记录了负荷的质

量。然后,他们利用两个滑轮重复以上的实验。

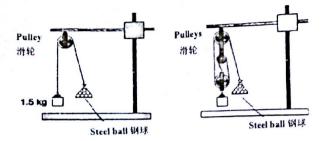
下图显示了实验结果。



a) What is the purpose of this fair test?

这项实验的目的是什么?

(1分)



b) Predict the mass of a load X needed to lift the steel balls if three pulleys are used in the fair test.

如果使用三个滑轮来进行实验,预测举起负荷X的质量。

(1分

c) State what is kept the same in this investigation.

写出这项实验中必须保持不变的事项。

(1 分)

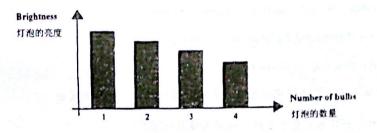
d) State one relationship between the two information gathered in this investigation.

写出这项实验中所收集到的两项资料之间的关系。

Lily carried out an investigation. She connected one bulb in a series circuit and recorded the brightness of the bulb. She repeated this step for 3 and 4 bulbs. 丽丽进行一项实验。她以一个灯泡连接在串联电路中,并记录灯泡的完度。过后,她再以2个,3个和4个灯泡重复以上的实验。

The bar chart below shows this results.

以下条形统计图显示了他的观察结果。



a) What is the aim of this investigation?

这项实验的目的是什么?

(1分)

b) State what is kept the same in this investigation.

写出这项实验中必须保持不变的事项。

(1分

(1分)

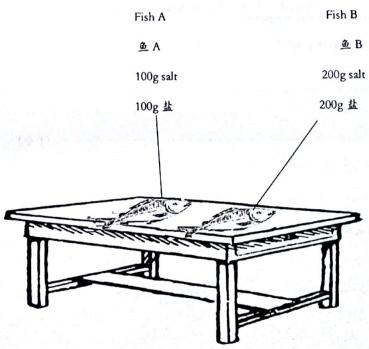
c)	What conclusion can she made from this investigation?	
	乙在项实验中能作出什么结论?	
		1分)

d) After that, Lily used 2 bulbs to connect in a parallel circuit. What could she observe if compared the brightness of the bulbs of the previous investigation which connecting 2 bulbs in a circuit series? 过后丽丽再用 2 个灯泡以并联方式衔接在电路后,并与串联电路中的 2 个灯泡亮度作比较,试写出观察结果?

3. Diagram 2 shows a group of pupils carried out an investigation about the time for the fish last longer. Both of fish smeared with different quantity of salt and placed under the sun within 3 days at the same place.

下图显示一群学生研究有关鱼的保鲜实验。两条鱼各洒上不同分量 的盐并置放在相同地点曝晒长达3天。





Result

实验结果

Fish	Time for the fish to last longer/day
	鱼保鲜的时间/天
P	. International security of the contract of th
na matanicana masa area area area area area area area a	30

a) State the aim of the investigation.

写出这项实验的目的	
	Trip age does to
	(1 分)

	user as trades and a proposition of operations that dependently all the second to a second to a real content of	and plants and the second
		(1分)
d)What is the trend of change in the time for t	the fish to last longer w	hen the quantity of
salt increase?		
当盐的分量增加时,鱼保鲜的时间变化	化形式是怎样的?	
		(1分)

4. A group of pupil from Class 6 Gemilang carried out an investigation about the stability of an object. Four stools of similar base area placed on the table. The table were shaken untill the stools toppled.

六年级红斑的一组学生进行一项有关物体稳定性的实验。四张底部面积相同 的凳子置放在桌上。桌子被摇动至凳子倒下。

Table below shows the result of investigation.

下表显示实验结果。

40	60	80
40	60	80
80	70	60
	80	80 70

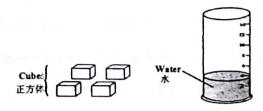
_(1分)

a)	State one information gathered in this investigation.
	写出实验中所收集的一项资料。

	写出凳子的高度与其稳定性之间的关系。					
	7、花龙江之内可大东。					
	Precdict the time taken of stool to topple if the height of stool is 90cm.					
	如果凳子的高度是 90cm,预测凳子倒下所需的时间。					
	(1分)					
	(17)					
1						
	The time taken of an object to topple is affected by the base area of the					
	object.					
	此什么一个人都从此间至到此什古的工机人里上					
	物体倒下所需的时间受到物体底部面积所影响。					
	State the relationship between the two informations gathered based on					
	statement above.					
	根据上述说明,写出所收集的两个资料之间的关系。					

4. Hua An did an experiment .He put cubes into the measuring cylinder one by one that contained water.

华安进行一项实验,他把不同数量的正方体放入装了水的量简里。



The table below shows the result of his observation.

下表显示了他的观察结果。

The number of cubes	0	2	3	4
正方体的数量 (个)		* a		
The reading of the measuring cyclinder	4	20	28	36
量简的读数 (ml)				

ره	State Of	ne informat	ion gathere	d in	this	experiment
2)	State of	IE HIIOIIIIAL	ion gautere		uus	experiment

写出这项实验必须记录的一项资料。

(1 分)

b) State the trend of changes for the readings of the measuring cylinder.

写出这项实验中量简的读数的变化形式。

(1分)

	(1.0)
	(1分)
That conclusion can be made from this investigation?	
从这项实验中能做出什么结论?	