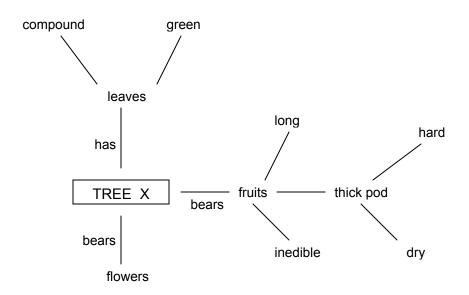
Primary Five Science Semestral Assessment Two

For each question from 1 to 30, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write it in the box provided. (60 marks)

1.		ut her cake mixture in a hot oven. An hour later, she had le cake. What changes did the cake mixture undergo du	
	A B C D E	size taste colour position substance	
	(2) A, (3) A,	C and D only B, C and E only C and E only B, D and E only	
2.	Which	of the following is/are part(s) of the process of the water	cycle?
	A B C	The evaporation of water from the lakes The loss of water by plants The melting of snow	
	(3) B a	only and B only and C only B and C	
3.	_	ss of water was left in a freezer for two hours. The want to this happen?	ater became
	(2) Th (3) Th	e glass lost heat to the water. e water gained heat from the freezer. e water lost heat to the air in the freezer. e glass gained heat from the air in the freezer.	

4.	The weight of an object is the	_ the object.	
	(1) size of(2) volume of(3) pull of gravity on(4) push of gravity on		
5.	A ball of plasticine is thrown hard agains	t a brick wall.	
	Ball of plasticine	← Wall	
	The ball will undergo a change in	·	
	A size B shape C weight		
	(1) A only(2) B only(3) A and B only(4) A, B and C		
6.	Which of the following statements is true	?	
	(1) All seeds are edible.(2) Every plant produces seeds.(3) Every seed contains a baby plant.(4) All fruits have a large number of seed	ds.	
7.	Which of the following statements is cockroach?	true about the life	cycle of a
	(1) The female cockroach takes care of i(2) The egg of cockroach hatches into la(3) The female cockroach lays one egg a(4) The nymph of cockroach moults to g	irva at a time	

- 8. Which one of the following organisms do <u>not</u> live in the same habitat as the others?
 - (1) starfish
 - (2) wriggler
 - (3) great diving beetle
 - (4) dragonfly nymph
- 9. Study the concept map below.



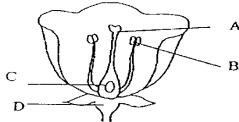
From the information given, the seeds of Tree X are most likely to be dispersed by _____.

- (1) wind
- (2) water
- (3) animals
- (4) explosive action

Which one of the following animals reproduces differently from the oth	0.	Which one of the following	ng animals reproduces o	differently from the other
--	----	----------------------------	-------------------------	----------------------------

- (1) mouse
- (2) whale
- (3) hawk
- (4) walrus

11. The diagram shows the cross section of a flower.



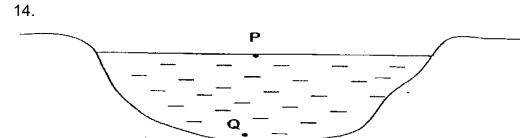
Which letters show where pollen grains and ovules are produced?

	pollen grains	ovules
(1)	В	С
(2)	В	D
(3)	Α	С
(4)	Α	D

- Which of the following plants does not reproduce from seeds?
- (1) fern

12.

- (2) durian
- (3) balsam
- (4) coconut
- 13. While we are chewing food in our mouth, the tongue is used to _____.
 - (1) digest the food
 - (2) mix the food to make it soft
 - (3) mix the food and form it into a ball
 - (4) cover the windpipe so that the foot will not enter the windpipe



The picture shows the cross-section of a pond. P and Q are plants found at different parts of the pond. Which one of the following pairs is likely to be P and Q?

	Р	Q
(1)	Duckweed	Water hyacinth
(2)	Tape grass	Water lily
(3)	Lotus	Cabomba
(4)	Water moss fern	Hydrilla

15.	Jinhan was watching a movie about chimpanzees	es. Th	he chi	mpanzees	s were
	screeching, running up and down the trees an	nd ea	ating	bananas.	While
	watching the film, Jinhan used his sense of				

- A hearing
- B sight
- C taste
- D touch
- (1) A and B only
- (2) A and D only
- (3) C and D only
- (4) A, B, C and D

- A heart
- B lungs
- C stomach
- (1) A only
- (2) C only
- (3) A and B only
- (4) A, B and C

17. Below are two groups of fruits. Study them carefully.

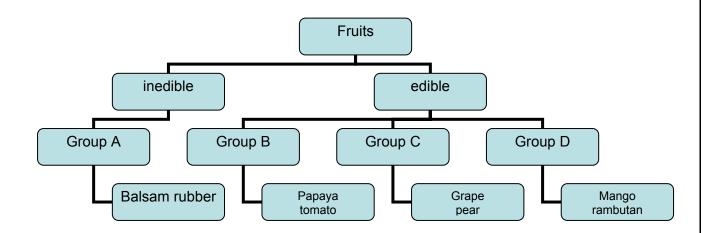
Group A	
Durian	
Mimosa	
Mango	

Group B	
Angsana	
Shorea	
Lallang	

The fruits are grouped according to _____.

- (1) their size
- (2) their texture
- (3) the number of seeds they have
- (4) the way the seeds are scattered

18. Below is a classification table. Study it and answer the question.

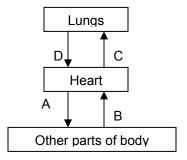


Dragon fruit should be classified under Group _____.

- (1) A
- (2) B
- (3) C
- (4) D

19.	The le	eaves of a	mimosa plant respo	ond to	
	A B C	light heat touch			
	(3) A	only and C only and B only B and C			
20.	often.		ant in Uncle Bill's ga it has not borne frui 		
	(2) the (3) the (4) the	e flowers i e flowers a	ars male flowers onl is unable to attract ir always wither before grown in a shady pla	sects to pollinate the they can develop in	nto fruits
21.	Four	objects ar	e classified into two	groups as shown be	elow.
			Group A	Group B	
			Paper plate	Plastic cup	1
			Balloon	needle	
	The o	bjects are	grouped according	to	
	(2) wh (3) wh	nether the	ey are y are waterproof y can be recycled als they are made of	F	
22.		-	n our skeleton which		the way they allow
	(2) ell (3) sh	o and elbo bow and k loulder and loulder and	nee d knee		

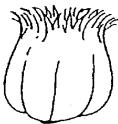
23. The arrows A, B, C and D represent blood vessels carrying blood to and from the lungs, heart and other parts of our body.



Which two blood vessels carry blood with less oxygen?

- (1) A and B
- (2) A and C
- (3) B and C
- (4) C and D
- 24. Which one of the following is not from living things?
 - (1) nail
 - (2) silk cloth
 - (3) book
 - (4) cotton wool
- 25. In which of the following actions is friction <u>NOT</u> needed?
 - (1) stopping a car
 - (2) sharpening a pencil
 - (3) walking on the road
 - (4) melting an ice cube

26. This is a drawing of a fruit.



Betty wants to find out whether the fruit is scattered in the same way as the coconut. She plans to do the following.

- A place it in water
- B measure its weight
- C open it to see if it contains water
- D check to see if it has a fibrous husk

Some of the above actions are usefully for her purposes but some are not. Which are the useful ones?

- (1) A and D
- (2) B and D
- (3) A, B and C
- (4) B, C and D

- 27. The table below shows the length of the shadow of a school flagpole.

Time	0800 h	1000 h	1130 h	1300 h
Length of shadow (m)	8.0	4.5	2.0	1.0

What is the most probable length of the shadow of the flagpole at 1600h?

- (1) 0 m
- (2) 0.5 m
- (3) 7.0 m
- (4) 14.0 m

28. The diagram below shows a stage in the life cycle of a certain insect.



At this stage, it is a/an _____.

- (1) adult
- (2) larva
- (3) pupae
- (4) nymph

29. Diagram A shows a beaker containing substance X. Diagram B shows how substance X has changed after a certain process.

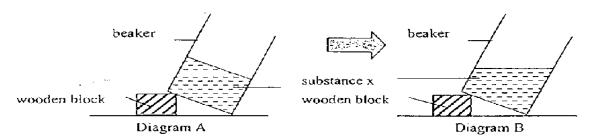


Diagram B shows that _____ has taken place.

- (1) freezing
- (2) melting
- (3) condensation
- (4) evaporation

30. Danny did a study on two animals, A and B. He drew a checklist and placed a tick ($\sqrt{ }$) in the box when he made the observation. At the end of his study, the completed checklist is as follows:

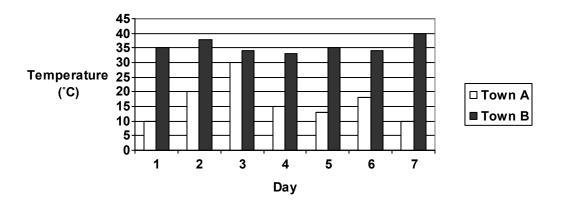
Observations	Animal A	Animal B
It lays eggs	V	V
It has 3 stages in its life cycle	V	V
It has 6 legs		V
It has wings		V

Which one of the following pairs could represent Animals A and B?

(1) ratmosquito(2) centipedeant(3) frogcockroad(4) lizardmealworr

For questions 31 to 46, write your answers in the space provided. The number of marks available is shown in the brackets () at the end of each question or part-question. (40 marks)

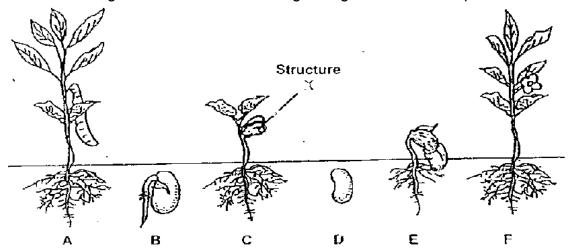
31. The graph below shows the temperature of two towns, A and B, over a period of 1 week.



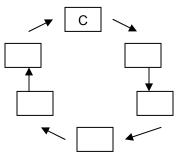
Study the graph carefully and use the information to decide if the following statements is TRUE, NOT TRUE or NOT POSSIBLE TO TELL. Put a tick ($\sqrt{\ }$) in the correct box.

	STATEMENTS	TRUE	NOT TRUE	NOT POSSIBLE TO TELL
a)	It rained on Day 1 in Town B.			
b)	Town A has a higher average daily temperature than Town B.			
c)	Town A and Town B are located in two different countries.			
d)	The difference between the highest and lowest temperature recorded during the week in Town A is 20°C.			

32. The diagrams below show the stages of growth of a bean plant.



a) Arrange these in sequence by writing the corresponding letters in the boxes below. One has been filled in for you. [1]

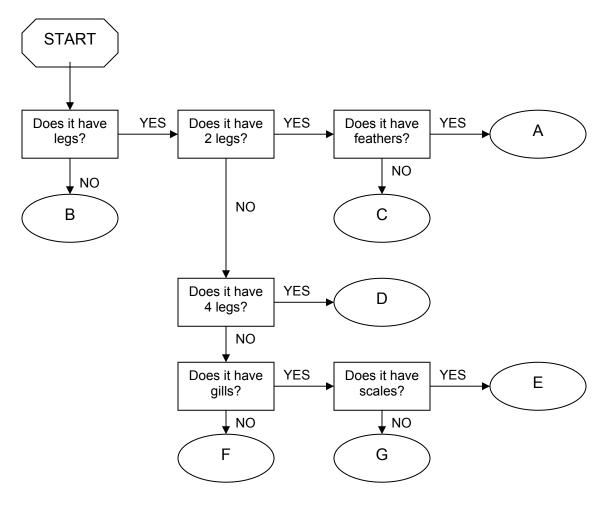


Life Cycle Of A Bean Plant

- (b) Identify the structure X in diagram C. [1]
- (c) What happens to structure X as the plant continues to grow? [1]

Give a reason for your answer. [1]

33. Study the flow-chart below carefully.



Which of the letters (A-G) represents the following animals? Write your answers in the appropriate boxes in the table below. [2]

Animal	mosquito	penguin	crab	earthworm
Letter				

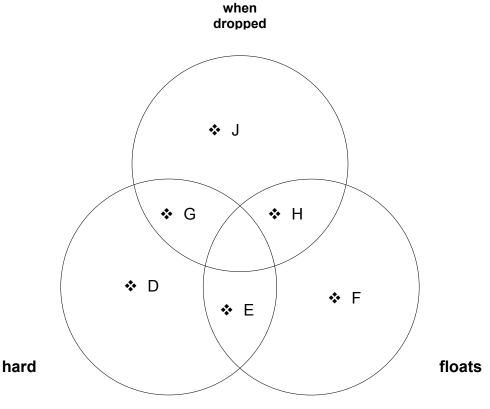
34. In the diagram below, the lamp represents the Sun and the ball represents the Earth.



- (a) On the diagram above, shaded the light half of the ball. [1]
- (b) What does this light half represent on Earth? [1]
- (c) How long will a person living at X have to wait before he is able to see the sun directly? [1]

Breaks

35. Study the Venn diagram below.

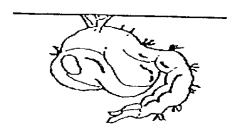


	(a)	Which of the objects, (D to J), is mobowl?	ost likely to be a Styrofoam [1]
	(b)	Describe object H.	[1]
36.	Look	at the list of animals below:	
		bat, dog, python, sparrow,	oad, whale
	(a)	Classify the above animals into 2 group are 3 animals in each group.	os, A and B, such that there [1]
		Group A Gro	oup B
			
	(b)	Explain how the animals were classified	d in (a). [2]

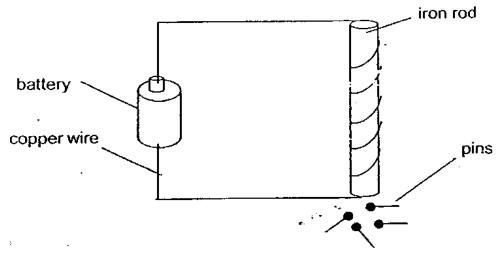
37.	Professor Lee wants to do a scientific research on a certain type of trea forest reserve in Thailand. To help him locate the tree, a forest range provided him the following descriptions of the tree. Choose 4 descriptions which would be most useful to Professor Lee in finding the tree. Put a ($\sqrt{\ }$) in the box at the end of each selected description. [2]					
	a.	The seeds of the	fruit are used as a	a poison to kill fishe	es.	
	b.	The flowers are re	ed and grow singly	/ .		
	C.	The leaves are he	eart-shaped and h	ave toothed edges		
	d.	The roots can be	used to make me	dicine.		
	e.	The bark is dark brown and smooth.				
	f.	The tree has an u	ımbrella-shaped c	rown.		
	g.	The sap of fruit is	poisonous.			
38.	38. The plants in the table below are grouped according to how they a usually reproduced.					
		Α	В	С		
		African Violet Begonia	Ginger Potato	Lady's Finger Chilli		
	(a)	How are the plants in Group B similar in the way they reproduce?[1				
	(b)	In which group wo	uld you place 'Bry	ophyllum'?	[1]	

	(a)	,	mon otago (of its life cycle		•	
((b)	Give	e a reason fo	or your answe	er in (a).		[1]
ı	Fill in	the b	lanks with tl	ne correct wo	rd.		
,	A woo	odlou	se lives in a	leaf litter whi	le a dragonfl	y nymph live	s in a pon
-	The p	lace	where an ar	nimal makes t	heir home is	called its	
1	the w	odlio	ce in a leaf li	itter form a	b	ut all the pla	nts and
á	anima	ıls in	a pond form	ı a	In a pond	d, the animal	s and plan
				ent on one and			·
(dishes showr	s are n in th	then placed ne table belo		laces for diff	erent periods	s of time a
(dishe: showr	s are n in th	then placed ne table belo	in different pow.	laces for diff	erent periods	s of time a
(dishes showr	s are n in th	then placed ne table belo	in different p	laces for diff	erent periods	E An enclosed
(dishesshowr Dis	s are in the	then placed ne table belo	B An enclosed room 6	C In the sun	erent periods	s of time a
(Dishest Shown	s are n in the	then placed ne table belo A In the sun	B An enclosed room	C In the sun	erent periods D In the sun	E An enclosed
	Dishes shown Dishes whe it kee tin (da Amo	s are n in the sh re is ept? od of ne ys) ount ater Whi effe	then placed he table below A In the sun 5 15cm³ ch dishes of ct of temper	B An enclosed room 6	C In the sun 5 5cm³ e used as a Fooration?	D In the sun 6 10cm³	E An enclosed room 7 10cm³

42. The diagram below shows an animal that lives in the pond.

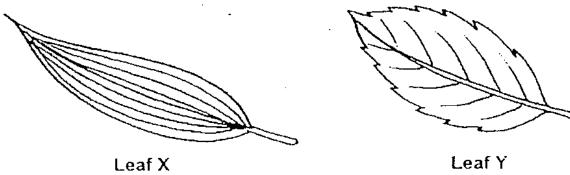


- (a) Explain why this animal is found mainly just below the surface of the pond. [1]
- (b) Name another animal that can be found mainly at this part of the pond. [1]
- 43. Tom set up the experiment below to find out if the number of turns of a copper wire round an iron rod will affect the strength of the magnetized iron when the electric circuit is closed.



- (a) What variable did Tom change in the experiment? [1]
- (b) What must Tom measure to find out if a rod with more turns of wire is stronger than a rod with less turns of wire? [1]

44. The diagram below shows 2 leaves X and Y.

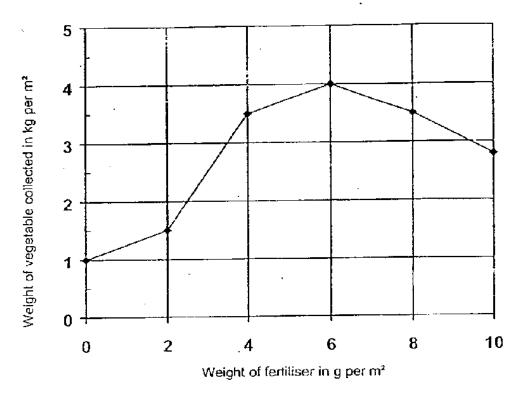


Write down 2 differences that you can observe between them. [2]

Difference 1: _____

Difference 2:

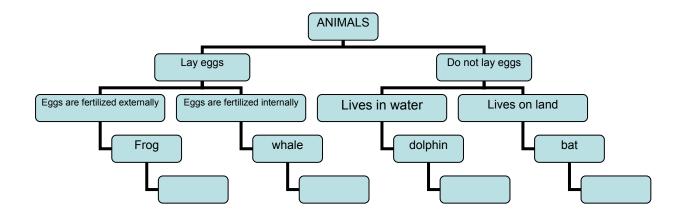
45. A farmer did an experiment to find out how a fertilizer affects the growth of a vegetable. He recorded the weight of vegetable colleted and fertilizer added for every m² of land. He plotted the results in the graph below.



(a) What is the relationship between the weight of fertilizer used and the weight of vegetable collected? [2]

(b) How much fertilizer should the farmer use if he wants to get the greatest weight of the vegetable from one m² of land? [1]

46. Study the classification chart below.



- (a) Which one of the animals is classified wrongly? [1]
- (b) Classify "elephant" by putting it in the correct box in the diagram above.

THE END