SEKOLAH KEBANGSAAN BASI
UJIAN PERTENGAHAN SESI AKADEMIK
TAHUN 2026

Name : _____

Class : _____

SCIENCE (018)
YEAR 6
[1 Hour 15 Minutes]

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

INSTRUCTIONS:

1. This examination paper consists of Section A, B and Section C.
2. Answer all questions.
3. If you want to change an answer, erase the incorrect answer. Then, write the new answer.
4. Diagrams a accompanying the questions are not drawn to scale unless stated.
5. Questions in Section B and Section C must be answered on the question paper in the answer spaces provided.
6. Write your answer clearly and do not leave any blanks in the answer space

For the Use of the Examiner			
Examiner's Name:			
Section	**Question**	**Full Marks**	**Score Obtained**
A	1 - 10	10	
B	1	4	
	2	4	
C	1	6	
	2	6	
	3	10	
	4	10	
Total		**50**	

Prepared By:	**Checked By:**	**Verified by:**
.....	.....	.....
(JENNY RINYA ANAK RIBON)	**(JENNY RINYA ANAK RIBON)**	**(LASA ANAK SIGAT)**
SCIENCE TEACHERS	**HEAD OF SCIENCE PANEL**	**HEADMASTER**

LIVEWORKSHEETS

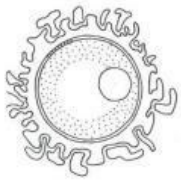
Section A
[10 marks]
*Answer **all** questions.*

Instruction: Answer **all** questions.

1. The diagram below shows human reproductive cells.



Cell J



Cell K

What organ produces these reproductive cells ?

	Cell J	**Cell K**
A	Ovary	Testis
B	Testis	Ovary
C	Vagina	Penis
D	Penis	Vagina

2. Puan Anis suffers from Bell's palsy.

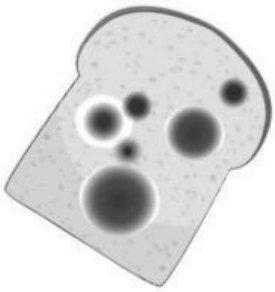


Why is her face distorted and having difficulty smiling and closing her eyes ?

A The spinal cord is connected to the brain
B The nerve network in the neck is damaged
C Peripheral nerves in the facial muscles are damaged
D The central nervous system does not give the correct signal

LIVEWORKSHEETS

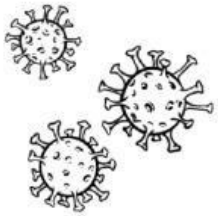
3. Alisa found spots of mould on a slice of expired bread left on a table for a week.



What is the conclusion that can be obtained from the observation in the diagram above ?

A Microorganisms grow
B Microorganisms move
C Microorganisms expand
D Microorganisms breathe

4. The diagram below shows a type of microorganism.



What is the type of the microorganism above ?

A. Algae
B. Virus
C. Fungi
D. Bacteria

5. What is the consequence of bacterial action on contaminated food source ?

A Mumps
B Influenza
C Tooth decay
D Food poisoning

LIVEWORKSHEETS

6. Observe the diagram below.



Why does competition occur between animals as shown in the diagram below ?

A Because the basic needs of animals are different

B Because of the they want to show each other's strengths

C Because sources of food, water, territory and mates are abundant

D Because of the sources of food, water, territory and mates are limited

7. The diagram below shows an interaction between a crocodile and a plover bird.



Which of the following statement is related to the interaction in the diagram above ?

A Interaction that benefits both organisms

B Interaction that benefits one organism only

C Interaction between intraspecies and interspecies

D Interaction that benefits one organism but do not harm the other

LIVEWORKSHEETS

8. Johnathan planted a few seedlings in the pots as shown in the diagram below.



A **B**

After two weeks, it is found that the size of the seedlings in pot A are smaller than the size of the seedling in pot B. Why does this condition happen ?

A The seedling in pot A compete for limited air
B The seedling in pot A compete for limited space
C The seedling in pot A competes for limited nutrient
D The seedling in pot A competes for limited sunlight

9. Which of the following is the activity of conservation of endangered plants ?

A Replants mangrove trees at riverbanks
B Cut down old trees in forest reserve areas
C Gazzettes certain areas as forest reserve areas
D Educates the community to use biodegradable material

10. The diagram shows a tiger caught by the authority for attacking livestock in a village.



Why the tiger will be released back to the forest ?

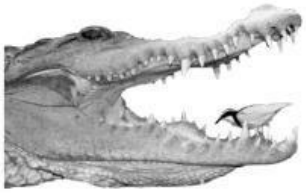
A To prevent it from becoming extinct
B To allow it to live together with other tigers
C Because the zoos do not want to accept wild animals
D Because the authority does not have protection area for it

LIVEWORKSHEETS

Section B
[8 marks]
*Answer **all** questions.*

1. (a) Match the diagrams with the correct type of symbiosis.

(i)



(ii)



(iii)



Mutualism

Parasitism

(b) Write **TRUE** or **FALSE** for the statements below.

	Statement	TRUE / FALSE
(i)	Interaction between prey and predator can control population of organisms in a habitat.	
(ii)	Interaction between organisms ensures the survival of species.	
(iii)	Interaction that benefits one organism and harms the other is known as commensalisme.	

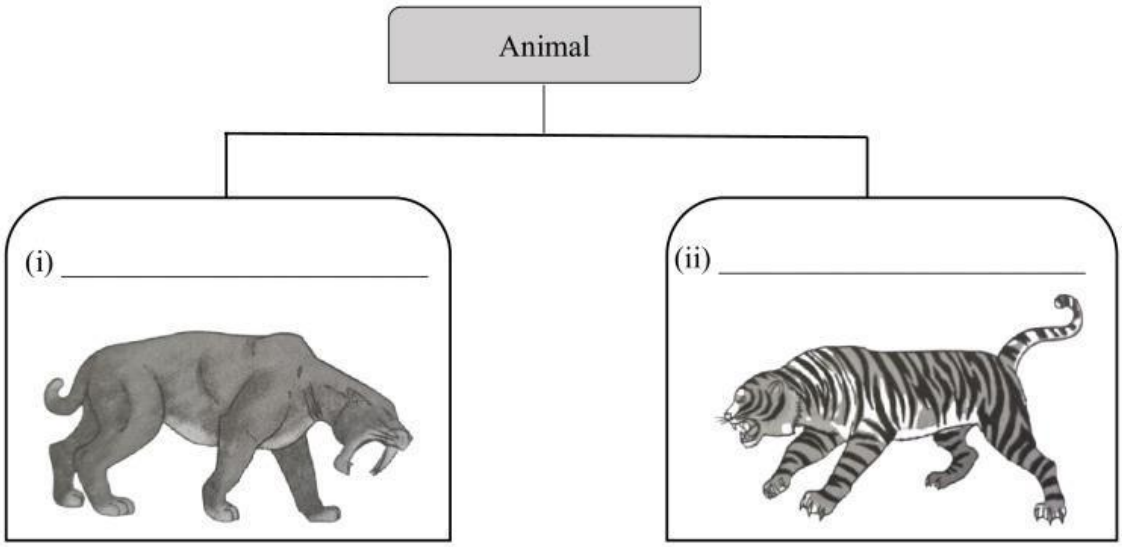
(2 Markah)

LIVEWORKSHEETS

2. (a) The diagram below shows two types of animals.

Fill in the blanks with the answer options provided.

Extinct	Endangered



(2 Markah)

(b) Match the correct conservation activities.

Conservation

- Replanting
- Setting up conservation centres
- Selective logging
- Enforcement of laws

(2 marks)

LIVEWORKSHEETS

Section C
[32 marks]

1. Diagram shows the apparatus set up in an investigation about microorganisms.

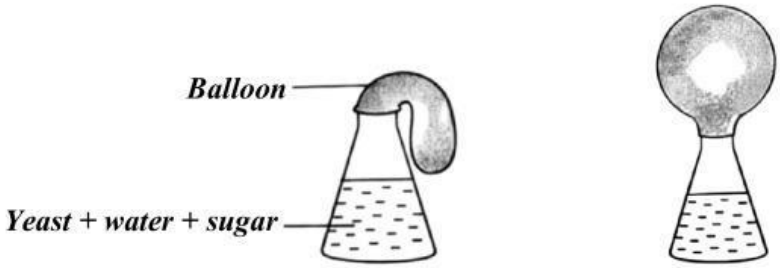


Diagram 1

a) What is the aim of the investigation above ?

_____

(1 mark)

b) State your observation on the investigation above ?

_____

(1 mark)

c) Give your inference for your answer in 1(b).

_____

(1 mark)

d) What is the use of sugar in the investigation ?

_____

(1 mark)

e) State two factors that affect the growth of microorganisms.

_____

_____

(2 marks)

LIVEWORKSHEETS

2. The table below shows the number of tapirs recorded in a forest reserve.

Year	**2017**	**2020**	**2023**
Number of tapirs	5	10	15

(a) What is the pattern of change in the number of tapirs since 2017 ?

_____

(1 mark)

(b) Give an inference for the pattern of change in the number of tapirs stated in 1 (a).

_____

(1 mark)

(c) Construct a bar chart based on the table above.

(1 mark)

(d) State one importance of animal preservation and conservation.

_____

(1 mark)

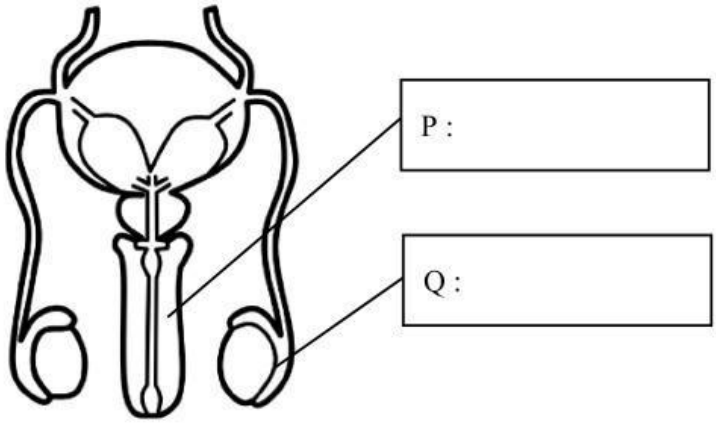
(e) Give two factors that cause tapirs to become endangered.

_____

(2 marks)

LIVEWORKSHEETS

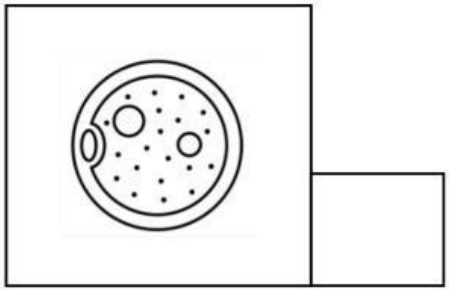
3. The diagram show the male reproductive organs.

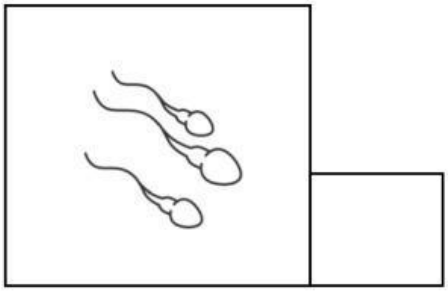


a) Name P and Q in the diagram above.

(2 Marks)

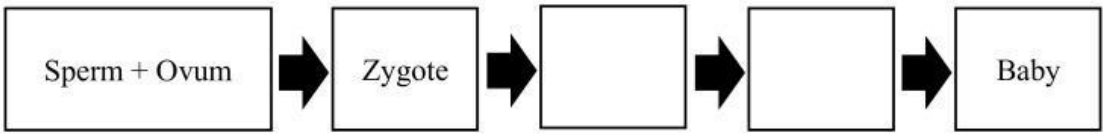
b) Tick (/) the cells produced by Q and cross (X) the cells not prodeuced by Q.





(2 Marks)

c) The process of fertilisation involves the fusion of one sperm and one ovum to form a zygote. Complete the process of human fertilisation until the baby is born.



(2 Marks)

LIVEWORKSHEETS

d) What will happen to the fetus if the umbilical cord does not form? Explain.

_____

_____

(2 Marks)

e) What is the importance of reproduction to humans?

(i) _____

(ii) _____

(2 Marks)

LIVEWORKSHEETS

4. The diagram below shows two motorcyclists on the road.





a) (i) Who practices safety measures when riding a motorcycle on the road ?

_____

(1 mark)

(ii) Based on answer 2(a)(i), what are the safety measures practiced by the motorcyclist?

_____

(1 mark)

b) (i) Motorcyclist will stop his motorcycle when seen red traffic light lit up. What is this type of action ?

_____

(1 mark)

(ii) State the sequence of signal flow from stimulus to response.

(1 mark)

LIVEWORKSHEETS

c) The nervous system is very importance. Suggest two ways how we can take care of the nervous system so that it can function perfectly.

_____

_____

(2 marks)

d) (i) The motorcyclist who had an accident fell off the motorcycle and his legs were paralyzed. What are the consequences ?

_____

_____

(1 mark)

(ii) In your opinion, why is this patient paralyzed and unable to move his limbs ?

_____

_____

(1 mark)

e) Create a type of assistive to help paralyzed patients to move with the materials below. Sketch your creation.



4 biji roda
4 wheels



Kayu palet
Wooden pallet



Skru
Screws

(2 marks)

----------The end ----------

LIVEWORKSHEETS

Name	
Class	

BORANG JAWAPAN UNTUK BAHAGIAN A

ANSWER SHEET FOR SECTION A

1	A	B	C	D	11	A	B	C	D
2	A	B	C	D	12	A	B	C	D
3	A	B	C	D	13	A	B	C	D
4	A	B	C	D	14	A	B	C	D
5	A	B	C	D	15	A	B	C	D
6	A	B	C	D	16	A	B	C	D
7	A	B	C	D	17	A	B	C	D
8	A	B	C	D	18	A	B	C	D
9	A	B	C	D	19	A	B	C	D
10	A	B	C	D	20	A	B	C	D

LIVEWORKSHEETS