

**Module 1- Living Things****SECTION A**

**Answer all questions.**

*Every question is followed by four answer **A, B, C** and **D**. Choose the correct answer. Then, blacken your answer on the answer sheet provided. The suggested time for this section is 45 minutes. If you are unable to answer a question, proceed to the next question.*

- 1** Which of the following live in groups?
- A** Crocodile, elephants and birds.
  - B** Snakes, eagles and cows
  - C** Wolves, lions, baboons
  - D** Monkeys, bears, tigers
- 2** Which of the following animals live in solitary?
- I** Dolpins
  - II** Lizard
  - III** Eagle
- A** I and II only
  - B** I and III only
  - C** II and III only
  - D** I, II and III
- 3** Which of the following are reason for animals to live in solitary ?
- I** To avoid being attacked
  - II** To avoid sharing of food
  - III** To avoid competition for space
  - IV** To avoid being detected by its enemies.
- A** I and II only
  - B** II and III only
  - C** II and IV only
  - D** I, II and III only
- 4** Animals that are solitary only come together for ...
- A** mating.
  - B** collecting food.
  - C** protection from danger.
  - D** feeding their young.

5 Which of the following are sources of competition among animal ?

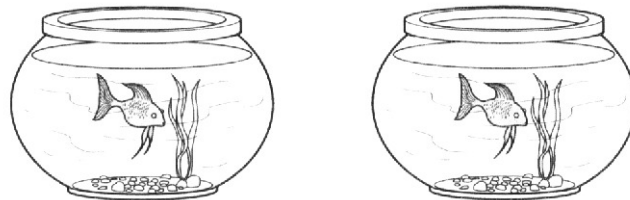
- I Food
- II Water
- III Space
- IV Mate

- A I and II only
- B II and III only
- C I, II and III only
- D I, II, III and IV

6 Animals of the same species often compete for

- A food
- B territory
- C shelter
- D mate

7 Diagram shows male fighting fish in two containers.



What will happen if the two fighting fish are placed in the same container?

- A The fighting fish die
- B The fighting fish live together
- C The fighting fish fight each other.
- D The fighting fish leap out from the container

8 Competition only takes place when

- A population increases
- B basic needs become limited.
- C the number of living things in a habitat increases
- D there are more females than male species in a habitat

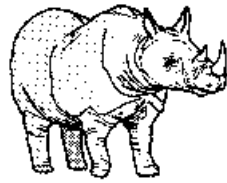
- 9 Based on the information above, which animals compete for food?

Grasshopper eat paddy leaves. Chickens eat paddy. Grasshoppers eaten by frog and chicken. Chicken and frog eaten by eagle.
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- I Frog and chicken  
II Chicken and eagle  
III Eagle and grasshopper
- A I only  
B I and II only  
C I and III only  
D I, II, and III only
- 10 Which of the following statements is **true** about the competition among living things ?
- A Competition only occur among the animals.  
B Competition only occur among different species of animals.  
C Competition among living things occur only in the same species.  
D Competition among living things occur because of limited resources.
- 11 What is an endangered animal ?
- A A dying animal  
B A dangerous animal  
C A very fierce animal  
D An animal which will soon become extinct.
- 12 Which of the following explains why tigers in our country are facing the threat of extinction ?
- A Many of them are poisoned by farmers.  
B They are often infected with serious diseases.  
C Climate in our country is becoming warmer and drier.  
D Their habitats are extensively destroyed due to logging.

13 Which of the following animals is already extinct?

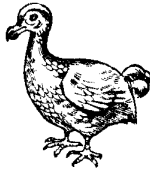
A



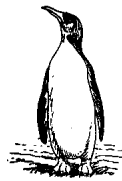
B



C



D



14 Which of the following plants is an endangered species?

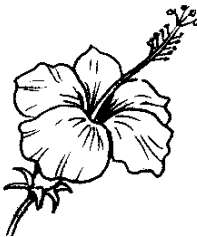
A



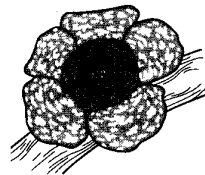
B



C



D



15 The list below shows several humans activities.

W	Illegal hunting
X	Excessive logging
Y	Fishing competition
Z	Production of clothes from fur

Which activities cause the extinction of animals?

- A X and Z
- B W and X
- C X, Y, and Z
- D W, X, and Z

16 What is one of the first side-effects of construction in a forest area?

- A Flash floods
- B Air and water pollution
- C Soil erosion and landslides
- D Destruction of the natural habitats of living things

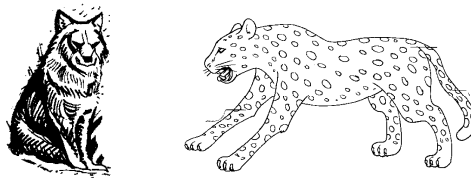
- 17 Which of the following is an example of environmental destruction caused by humans.
- A Building a bridge across a river.
  - B Disposing garbage by burying soil.
  - C Converting an agricultural land into a recreational park.
  - D Converting a mangrove swamp into a fish farming pond.
- 18 Which of the following activities should be banned to prevent the extinction of animals?
- I Illegal logging
  - II Selling of turtles' eggs
  - III Making of craft from ivory
  - IV Breeding of fresh water fish
- A I and IV only
  - B II and III only
  - C I, II, and III only
  - D I, II, III, and IV
- 19 Which of the following would happen if human activities that cause environmental destructions are **not** controlled ?
- I Land becomes infertile.
  - II Many flora and fauna would be extinct.
  - III Wild plants and beasts would grow everywhere.
  - IV Natural resources on Earth would be exhausted.
- A I and II only
  - B II and III only
  - C I, II and IV only
  - D I, II, III and IV
- 20 Diagram shows the situation in an area where logging has taken place..



- Which of the following are the effects of the activity if it is not controlled?
- I Air pollution
  - II Soil erosion
  - III Extinction of animals

- A I and II only
- B I and III only
- C II and III only
- D I, II and III

21 Diagram shows two species of animals.



Which of the following about the above animals is true?

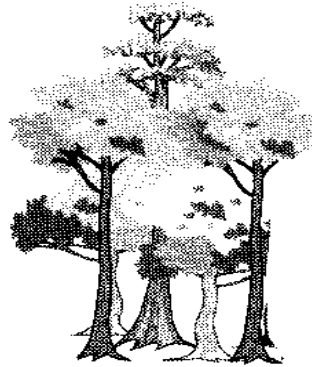
- A They live in groups.
  - B They compete for food.
  - C They hunt for food together.
  - D They fight their enemies together.
- 22 Flora and fauna are protected to
- A avoid natural disasters
  - B increase the number of flora and fauna
  - C maintain the supply of natural resources
  - D prevent water, air, soil and noise pollution
- 23 J, K, L and M show four pairs of animals.

J	Tiger – Deer
K	Snake - Owl
L	Buffalo – Stork
M	Grasshopper - Caterpillar

Which pairs of animals compete with each other for food?

- A J and K
- B K and M
- C K and L
- D J and M

- 24 Diagram shows plants that grow in a habitat.



- Which of the following is the cause of competition between the plants?
- A Air
  - B Mate
  - C Food
  - D Sunlight
- 25 Which of the following activities can maintain a balance of nature ?
- A Uncontrolled cutting of trees.
  - B Throwing chemical waste into rivers.
  - C Preserve animals that are almost extinct.
  - D Prevent destruction of the natural ecosystem.
- 26 Which of the following are **not** proper ways to get rid of waste materials ?
- I Reuse
  - II Recycling
  - III Open burning
  - IV Dumping of toxic wastes into rivers
- A I and II only
  - B I and IV only
  - C II and III only
  - D III and IV only
- 27 Which of the following animals is not under protection?
- A Tigers
  - B Giraffes
  - C Hornbills
  - D Leatherback turtles

**28** Which of the following activities can prevent the destruction of natural habitat

- I Throw rubbish into rivers.
- II Only old trees are cut down
- III Build more building and roads.
- IV Enforcing laws to prevent illegal logging

- A** I and II only
- B** I and III only
- C** II and IV only
- D** III and IV only

**29** What is meant by extinction ?

- A** A species which lives in groups.
- B** A species which is becoming rare.
- C** A species which can no longer be found on Earth.
- D** A species which is very dangerous to human beings.

**30** Which animals shown below is already extinct?

- A** Zebra
- B** Eagle
- C** Giraffe
- D** Dinosaur



## SECTION B

Answer all the questions.

Instructions: Write your answers in the spaces provided.

1 Write ' G ' for the reason some animals live in groups and ' S ' for the reason some animals live in solitary.

- a) Warn and protect each other from enemies. ( )
- b) Able to get food and build a shelter quickly. ( )
- c) Avoid competing with other animals for food. ( )
- d) Do not always compete for space and mate. ( )
- e) Form pattern to confuse enemies. ( )

[ 5 marks ]

2 Fill in the blanks with the correct words.

- a) Animals and plant face the threat of extinction because of human activities such as \_\_\_\_\_ logging and development.
- b) Elephants are hunted for their \_\_\_\_\_.
- c) Endangered species should be conserved and \_\_\_\_\_ to ensure their survival.
- d) Animals lose their \_\_\_\_\_ when there is an excessive development of land.
- e) Forest reserves are areas of land where hunting and logging are \_\_\_\_\_.

[ 5 marks ]

3 Study Diagram 5 and then fill in the blanks with the correct answers.

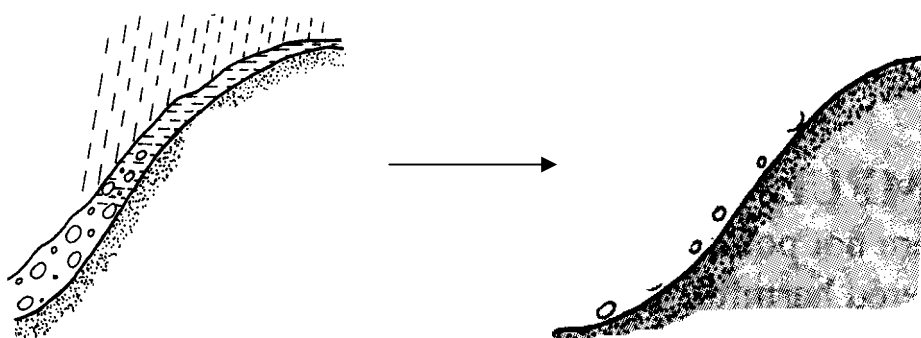


Diagram 5

- (a) The diagram shows that soil is washed out by the \_\_\_\_\_ .
- (b) It is called soil \_\_\_\_\_ .
- (c) It is caused by \_\_\_\_\_ activities.
- (d) The soil is washed away because it is not covered by \_\_\_\_\_ .
- (e) It may cause \_\_\_\_\_ pollution when the soil flows into rivers.

[ 5 marks ]

4 Fill in the blanks with the correct words.

restore	deforestation	soil erosion	flash floods
landslides	water pollution	air pollution	

- a) Soil erosion and landslides are caused mainly by \_\_\_\_\_
- b) The roots of the plants hold on the topsoil of the land and prevents \_\_\_\_\_ and \_\_\_\_\_.
- c) Soil erosion causes a large amount of soil and sand to flow into rivers and settle down on the river bed. The river becomes shallow and overflows to cause a \_\_\_\_\_ when it rains heavily.
- d) Soil erosion also cause \_\_\_\_\_ and \_\_\_\_\_.
- e) We need to \_\_\_\_\_ the natural state of the environment to ensure the balance of nature.

[ 7 marks ]

5 Diagram 6 shows an investigation carried out by a group of pupils.

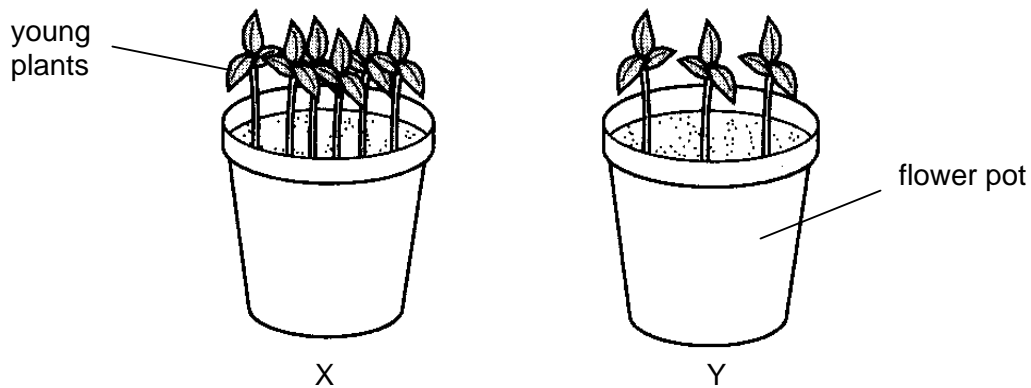


Diagram 6

(a) What is the aim of the investigation?

\_\_\_\_\_

[ 1 mark ]

(b) In this experiment, state

i. what is changed,

\_\_\_\_\_

ii. what is kept the same.

\_\_\_\_\_

[ 2 marks ]

(c) Based on the aim that you have stated in (a), state **one** observation that should be recorded in the investigation.

\_\_\_\_\_ [ 1 mark ]

(d) Which young plants do you think will grow well? Why?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [ 1 mark ]

6 The bar chart in Diagram 7 shows the number of animal P in a forest area from 1992 to 2001.

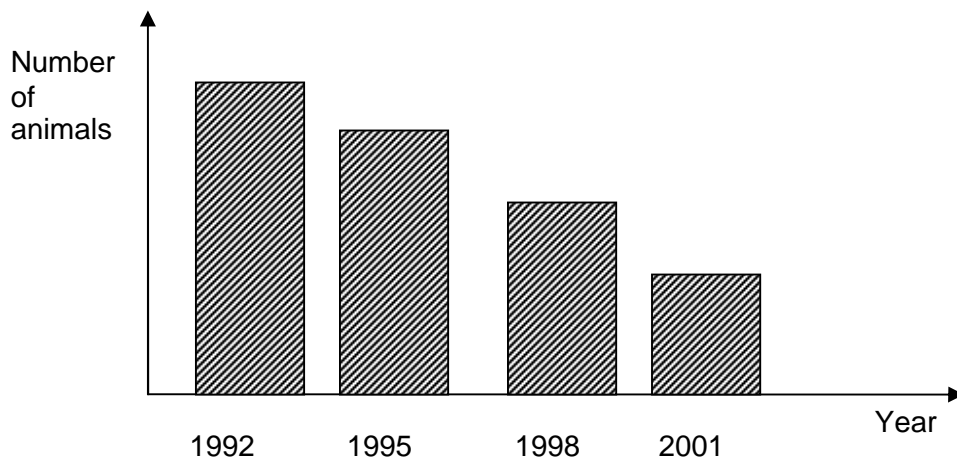


Diagram 7

(a) What is the trend in the change in the number of animal P from 1992 to 2001?

\_\_\_\_\_ [ 1 mark ]

(b) State **two** reasons to explain the trend in the change in the number of animal P as you stated in (a).

1. \_\_\_\_\_
2. \_\_\_\_\_

[ 2 marks ]

(c) Predict what will happen to animal P by the year 2010.

\_\_\_\_\_ [ 1 mark ]

(d) Write a conclusion that can be made based on the information given in the bar chart shown above.

\_\_\_\_\_ [ 1 mark ]

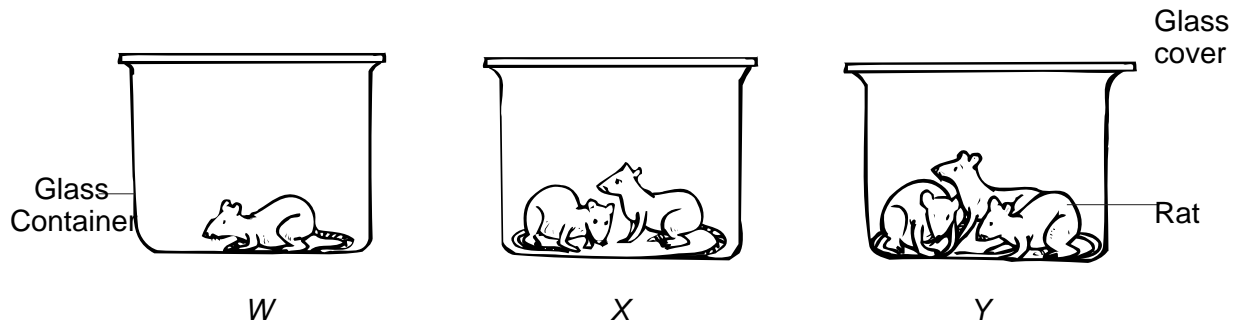


Diagram 8

Diagram 8 shows the apparatus used in a study. In container *W* is one rat, in container *X* are two rats and in container *Y* are three rats. It was found that the rats in container *Y* died the fastest while the rat in container *W* was the last to die.

- (a) What is the purpose of this study?

\_\_\_\_\_ [ 1 mark ]

- (b) In the investigation above, what is

i) changed ?

\_\_\_\_\_

ii) observed ?

\_\_\_\_\_ [ 2 marks ]

- (c) Give your inference about the condition of the rats in container *Y* at the end of the experiment.

\_\_\_\_\_

\_\_\_\_\_ [ 1 mark ]

- (d) What is the conclusion that can be made from this investigation?

\_\_\_\_\_

\_\_\_\_\_ [ 1 mark ]