



SK TAMAN PANTAI SEPANG PUTRA  
43950, SUNGAI PELEK  
SELANGOR

NAMA MURID : \_\_\_\_\_

KELAS : \_\_\_\_\_

---

**PENILAIAN KENDALIAN SEKOLAH RENDAH SEMESTER 2**  
**2008**

---

MATAPELAJARAN

SCIENCE YEAR 5

**JANGAN BUKA KERTAS SOALAN SEHINGGA DIBERITAHU.  
JAWAB SEMUA SOALAN.**

MARKAH:

DISEMAK OLEH :

.....  
(TANDATANGAN IBU BAPA / PENJAGA )

**PART A (60 marks)**

**Instruction:- Answer all questions. Every question is followed by four options A,B,C and D. Choose the correct answer.**

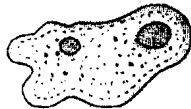
1. Which of the following is **not** a microorganism?

- A Fungi
- B Hibiscus
- C Bacteria
- D Protozoa

2. Ali need to use a microscope to observe the condition of a rotten orange. What can you infer?

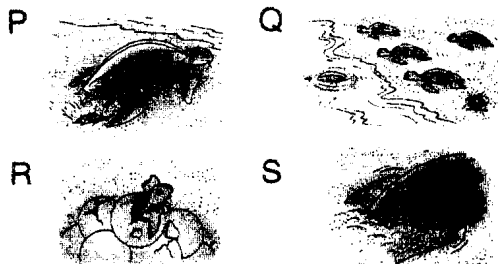
- A Microorganisms can move
- B Microorganisms can breathe
- C Microorganisms are very tiny
- D Microorganisms are very large

3. The diagram shows a living thing. State the name of the living thing shown.



- A Microorganism
- B Carnivore
- C Herbivore
- D Omnivore

4. The pictures show some activities carries out by a turtle.



Arrange the pictures to show how a turtle ensure the survival of its species.

- A P, R, S, Q
- B P, S, R, Q
- C P, Q, S, R
- D P, Q, R, S

5. The diagram shows a plant.



The plant disperses its seeds by

- A wing
  - B water
  - C animal
  - D explosive mechanism
6. Plant X can be dispersed by water because it
- I has a wing-like structure
  - II has fine hairs
  - III has air space
  - IV is light
- A I and II only
  - B I and III only
  - C II and IV only
  - D III and IV only
7. Predict what will happen if certain species of animals and plants become extinct.
- I Shortage of food resources
  - II The number of humans increases
  - III Other species may also face extinction
- A I and II only
  - B I and III only
  - C II and III only
  - D I, II and III

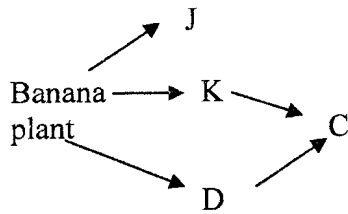
8. Study the food chain.

Grass → X → frog → snake

What is X?

- A Grasshopper
- B Eagle
- C Lion
- D Bird

9. Diagram below shows a food web.



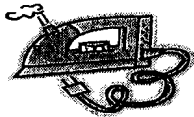
Which of the following is **not** possible?

- A K and L will increase if M becomes extinct.
- B J, K and L will die if the banana plant is cut down.
- C K will decrease if L dies.
- D M will die if K and L dies.

10. Animals that eat other animals only are called

- A omnivores
- B carnivores
- C herbivores
- D predivores

11.



Which of the following has the same transformation of energy as that of the object in the picture?

- A An electric bell
- B A ceiling fan
- C A bread toaster
- D A calculator

12. What is the main source of energy?

- A Fuel
- B Food
- C The sun
- D Batteries

13. Which of the following is non-renewable energy?

- A Coal
- B Biomass
- C Solar
- D Wind

14. Read the statement below.

\*Khalid can see himself in the mirror.

The activity below shows that

- A. light is an energy
  - B. light can travel in a straight line
  - C. light is bright
  - D. light can be reflected
15. What will happen when Suresh switches on the torch in front of a small wooden box ?

- A. a shadow is formed
- B. no shadow is formed
- C. a ray of light is formed
- D. nothing happens

16. The shadow of an object is formed because

- P – light travel in straight line
- Q – light can be reflected
- R – light cannot pass through opaque object

- A. P only
- B. P and Q only
- C. Q and R only
- D. P and R only

17. Which object below does not apply the reflection of light.

- A. Periscope
- B. Kaleidoscope
- C. Mirror
- D. Telescope

18. A driver being able to see other vehicles at the back of his car through the side mirror . What property of light helps the driver to do so ?

- A. Light travels in straight lines.
- B. Light can be reflected.
- C. Light can pass through transparent materials.
- D. Light cannot pass through opaque materials.

19. The information below refer to X.

- |   |
|---|
| <ul style="list-style-type: none"><li>* Has mass</li><li>* Has no fixed shape</li><li>* Has no fixed volume</li></ul> |
|---|

Which of the following can represent X ?

- A. Book
- B. Milk
- C. Olive oil
- D. Water vapour

20. Why is the water cycle important ?

- I It ensures the constant supply of fresh water.
- II It provides living things with water.
- III It keeps the amount of water on the Earth the same over the years.

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

21. When a girl stepped out of an air-conditioned car, her spectacles became misty. What is the change in the state of matter that has occurred on her spectacles?

- A. Gas       $\longrightarrow$       Liquid
- B. Liquid    $\longrightarrow$       Gas
- C. Liquid    $\longrightarrow$       Solid
- D. Solid      $\longrightarrow$       Liquid

22. Which of the following substances turns blue litmus paper to red ?

- A. Salt
- B. Sugar
- C. Olive oil
- D. Tomato juice

23. Farah wants to add tamarind into her curry .Which of the following can be used if she does not have any tamarind left ?

- I vinegar
- II soy sauce
- III Lime juice
- IV Pepper

- A. I and II
- B. I and III
- C. II and III
- D. II and IV

24. The information below describes on object.

- \* can be seen clearly a night.
  - \* a group of stars
  - \* forms certain pattern in the sky

What is the object ?

- A. A comet
- B. A meteorite
- C. A moon
- D. A constellation

25. Daniel stands in an open area and sees his shadow falling towards the east.  
What is the direction of the sun at the moment ?

- A. East
- B. West
- C. North
- D. South

26. Why can the Moon be seen at night ?

- A. The Moon is transparent.
- B. The Moon emits its own light
- C. The Moon reflects light from the Sun.
- D. The Moon reflects light from the Earth.

27. The Moon appears to change its shape from night to night. This is due to the

- A. rotation of the Earth on its axis
- B. rotation of the Moon on its axis
- C. movement of the Earth round the Moon.
- D. Movement of the Moon round the Earth.

28. What is the shape of a tent?

- A. cube
- B. cone
- C. cuboid
- D. hemisphere

29. Which of the following affect the stability of a structure ?

- I Shape of the structure
- II Base area of the structure
- III Height of the structure
- IV Position of the structure

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

30. Which of the following shapes is the least stable ?

- A. Sphere
- B. Cuboid
- C. Pyramid
- D. Hemisphere

**Section B.**

Answers all questions.

Write your answers in the spaces provided.

1. A group of students did an investigation to find out the relationship between the rats and snakes in oil palm estate.

Their observation is recorded in the table below.

Number of rats	3	6	9	12
Number of snakes	1	2	3	4

- a. What is the trend of the number of snakes?

.....( 1 mark)

- b. Give the reason for your answer in 1(a)?

.....( 1 mark)

- c. State the thing to

i. change : .....

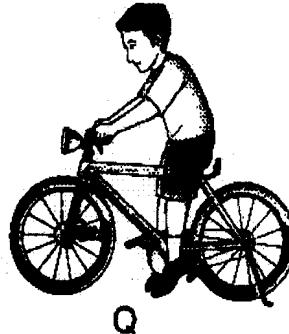
ii. observe : .....

( 2 marks)

- d. Construct a food chain from the above investigation.

.....(1 mark)

2. The diagram below shows a boy carrying out an investigation about energy.



(a) State two observations that can be made based on the diagram above.

i. \_\_\_\_\_

ii. \_\_\_\_\_

---

( 2 marks)

(b) Explain your answer in (a).

---

( 1 mark )

(c) Identify the forms of energy involved in P.

---

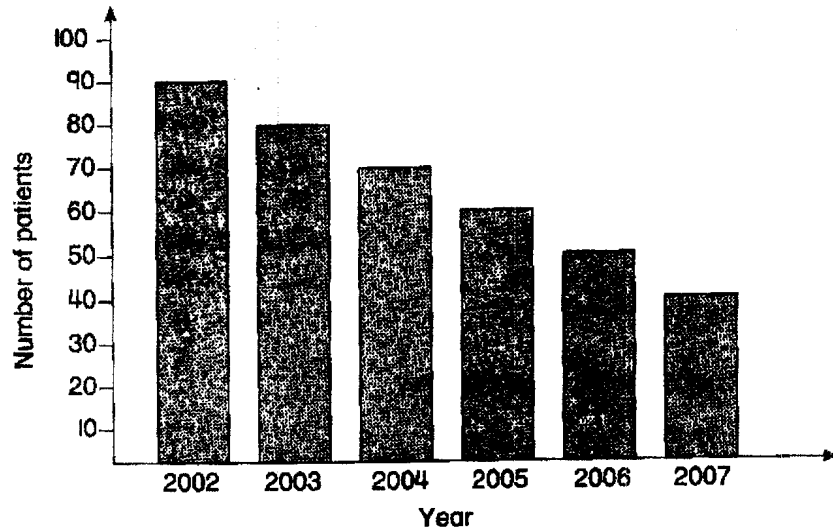
( 1 mark)

(d) Predict the transformation of energy involved in P.

---

( 1 mark)

3. In a study about chicken pox, a group of pupils gather information in the bar chart below.



- (a) Name the thing is  
i. changed :

---

- ii. observed :

---

( 2 marks)

- (b) Based on he information gathered, write one statement relating the two things in (a).

---

( 1 mark)

- (c) Based on the bar chart, state the pattern of the number of patients.

---

( 1 mark)

- (d) Explain your answer in (c).

---

( 1 mark)

4. The pupils of Year 5 Cemerlang conducted the following investigation. They took a slice of bread and sprinkled a few drops of water on it. They kept it in a plastic bag. After 2 days, they found some black-coloured growth on the bread. The table below shows the results of the investigation.

Days	Amount of black-coloured growth
2	3 spots
4	6 spots
6	9 spots
8	12 spots

a. What is the aim of the investigation?

.....  
( 1 mark)

b. What is the trend of the amount of black-coloured growth on the bread?

.....  
( 1 mark)

c. Name the black-coloured growth on the bread?

.....  
( 1 mark)

d. Predict the amount of black-coloured growth on the 12<sup>th</sup> day?

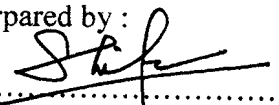
.....  
( 1 mark)

e. State the conclusion of the investigation.

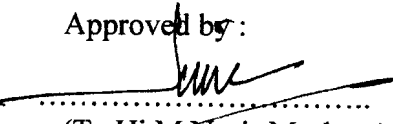
.....  
( 1 mark)

Good Luck !

Prepared by :

  
.....  
(Pn. Sukinah Basiran)

Approved by :

  
.....  
11. (Tn. Hj. M. Nasir Meskam)