

Paper I

Instruction: Answer all questions.

Key:



Low



Medium



High

Unit 9

- 1 What is the inference for the Moon that shines brightly at night?
- A The Moon reflects the star light
 - B The Moon produces its own light
 - C The Moon reflects the sunlight
 - D The Moon reflects the light from the Earth

- 2 Diagram 1 shows a type of the movement of the Moon.



Diagram 1

Choose the **correct** statement about the movement of the moon in Diagram 1.

- A Only happens at night
- B Rotation of the Moon is clockwise
- C Takes $27\frac{1}{3}$ days to complete one revolution
- D Causes the four seasons phenomenon on Earth

- 3 Diagram 2 shows a type of constellation.



Diagram 2

What will happen if travellers moves in the direction shown by the constellation in Diagram 2?

- A He will move towards the north of the Earth
- B He will move towards the south of the Earth
- C He will reach at the most north area of the Earth
- D He will reach at the most south area of the Earth

- 4 Which of the following are the importances of the constellation?

- I Estimate the distance of journey
- II Determine the temperature of the surroundings
- III Determine the planting seasons
- IV Determine the direction
- A I and II
- B II and III
- C II and IV
- D III and IV

- 5 Diagram 3 shows a tool that looks like a constellation.

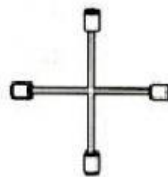
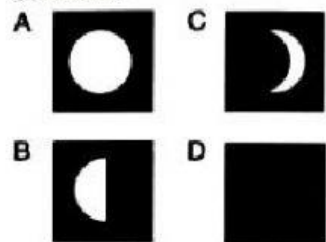


Diagram 3

Which of the following statement is **correct** about the constellation that looks like the tool?

- A Always at the north hemisphere
- B Directs towards the south of the Earth
- C Can be seen clearly in the morning
- D Only can be seen in the sky once a year

- 6 Which of the following phase of the Moon can be seen on 5th day according to the lunar calendar?



- 7 What is meant by the phase of the Moon?

- A The rotation of the Moon on its axis
- B The revolution of the Moon around the Earth
- C The change of the Moon's size due to the Earth's gravitational pull
- D The changing shape of the Moon that are lit up.

- 8 Diagram 4 shows the bar chart of the changes of shiny surface of the Moon observed from the Earth according to the lunar calendar.

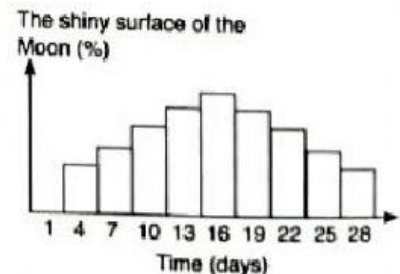


Diagram 4

Based on Diagram 4, which statement is **false** about the phase of the Moon?

- A The change of the Moon's surface repeated uniformly
- B The shiny surface of the Moon is 0% on the first day of the calendar
- C The percentage of the shiny surface of the Moon increases and then decreases
- D The full moon appears on the sixth night of the lunar calendar

9 Diagram 5 shows one of the constellations in the sky.

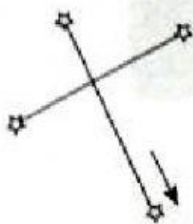


Diagram 5

What is the direction shown by the arrow on the constellation?

- A North
 - B East
 - C West
 - D South
- 10 Which statement about constellations is **correct**?
- A The patterns changes every year
 - B Originated from the living things of the ancient times
 - C Could predict the exact agricultural product
 - D The positions seem to change due to the rotation of the Earth.
- 11 Why we only see the same surface of the Moon?
- A Moon does not rotate
 - B The duration of the rotation of the Moon is the same as the duration for revolution of the Moon around the Earth
 - C Moon is far from the Earth
 - D Rotation of Earth prevent the surface of the Moon

12 The statement below about a phase of the Moon

A small section of the Moon's surface lit up by the sunlight

The statement above refers to

- A Crescent moon
 - B New moon
 - C Half-moon
 - D Gibbous moon
- 13 How to determine the lunar calendar?
- A Four seasons changes
 - B Changes in constellation's position
 - C Changes in the Moon's phases
 - D Changes of day and night

14 Diagram 6 shows a phenomenon.

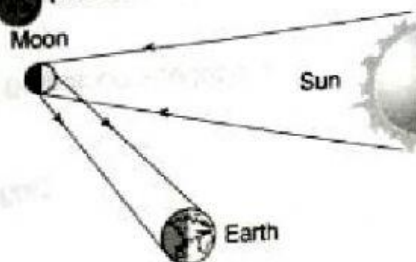


Diagram 6

What can be conclude based on the diagram above?

- A Moon revolve around the Earth and the Earth revolve around the Sun
- B Moon is a natural satellite of the Earth
- C The duration of Moon revolve around the Earth is $27\frac{1}{3}$ days
- D Moon reflect light from the Sun

15 Diagram 7 shows a constellation.



Diagram 7

Which of the following statement are **false** about constellation in Diagram 7?

- A Can be seen at southern hemisphere
- B Consist of group of stars that appears to form a pattern like a scorpion
- C As an indicator for harvesting season
- D Determine the direction for sailors and travellers

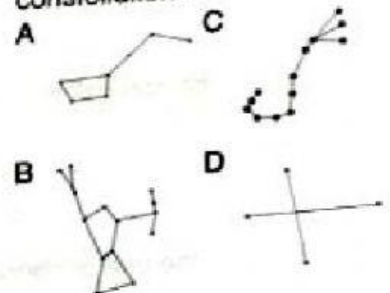
16 What is the constellation that is used as an indicator for planting season?

- A Big Dipper
- B Southern Cross
- C Orion
- D Scorpion

17 The statement below describe about a constellation.

Can be observed at northern hemisphere and southern hemisphere.

Based on the following statement, what is the constellation?



18 The following are the uses of constellation **except**

- A to show direction
- B to determine the winter season
- C to determine weather
- D to determine the harvesting season