ASSESSMENT 5 Theme: Earth and Universe

Unit 9

Paper 1

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.

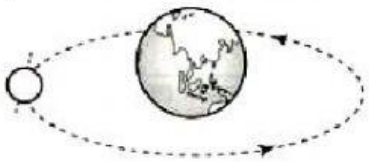

Diagram 1

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.

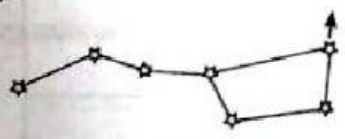

Diagram 2

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?

A 
C 
B 
D 

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.

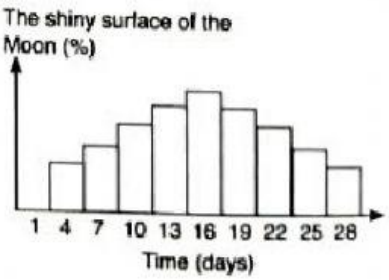

Diagram 4

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.

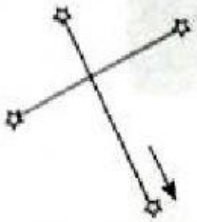

Diagram 5

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.

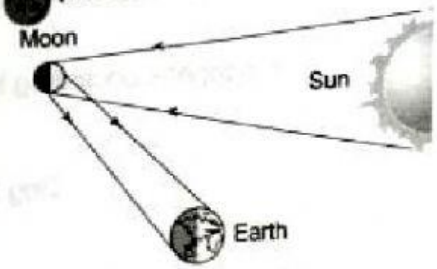

Diagram 6

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?

A 

C 

B 

D 

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