This is a Class 1 exam

Lebanon Evangelical School for Boys and Girls

Lebanon Evangelical School

for Boys and Girls Loueizeh - Baabda

Stage Exam 04

20-25JUN2025

Do NOT write in this box. Your MARK will be placed here.

Subject :	Physics
Class :	7B and 7E
Teacher :	Hazar Al Gharib
Duration :	1 hour

Please write your answers on a separate sheet of paper NOT on the question sheet.

You are to answer the questions to this exam on : Lined paper

Your name :		*Time taken to complete exam*
Your Class :		
Exam Room :		
How many sheets, including cover sheet :		

- Do not open this paper until the teacher in charge instructs you to do so.
- The most important thing to remember in taking an exam is NEVER PANIC.
- If you are caught cheating in this exam, you will be awarded zero for ALL exams that are taken on this day.

This exam is composed of 4 papers. Make sure to answer all the questions.
All your answers should be written on a separate paper, anything written on the question sheet will NOT be graded.

I- Fill in the blanks. (1pt. each)

1. The Earth _____ the Sun.
2. This movement is called _____.
3. It takes Earth _____ days to complete a full turn around the Sun.
4. Earth's axis is tilted _____ degrees.
5. This tilt causes the _____.
6. On 21st of December, _____ starts in the Northern Hemisphere.
7. On the 22nd of _____, Summer starts in the Northern Hemisphere.
8. On the 21st of March, Autumn starts in the _____ Hemisphere.

II- Complete the following table. (1pt each)

Name of the planet	Named after	Completes a full revolution in
Venus	a	b
c	**The Roman god of war**	d
e	f	**88 days**
g	h	**12 years**
Earth	i	j
Neptune	k	l
m	**The Roman god of agriculture**	n
o	p	**84 years**

III- Indicate whether each of the following phrases describes a solstice or an equinox. (1pt. each)

1. Longest day, shortest night.
2. Beginning of autumn.
3. Equal day and night.
4. Longest night, shortest day.
5. Beginning of summer.
6. Beginning of Spring.
7. End of Winter.
8. Similar temperatures in both Hemispheres.

IV- Put the right term for each given definition. (1pt. each)

1. They are either rocky or metallic objects that orbit the Sun, they are too small to be considered planets, they can be anywhere from the size of a pebble up to a 1000km in diameter.
2. A streak of light created when a meteoroid strikes our atmosphere at high velocity and friction causes the chunk of space matter to burn up.
3. This unit is used in space and represents the average distance from the Sun to Earth.
4. A celestial body that orbits around the Sun. It is not a satellite, and doesn't meet the requirements to be a planet.
5. It is what is left after the meteor strikes the Earth's surface if the meteoroid does not burn up completely.
6. A giant cloud floated five billion years ago in one of the spiral arms of the Milky Way galaxy.
7. They are made up of different parts: the nucleus, the coma, the ion tail, the dust tail.
8. The only star in our solar system.

V- Indicate whether the following statements are true or false. (1pt. each)

1. Astrobiology is the study of the origin, development and future of life in the universe.
2. The conditions of life are: a source of energy, liquid water, nourishment.
3. Our source of energy is Venus.
4. The Earth's atmosphere maintains Earth's average surface temperatures at around 14°C.
5. Earth's atmosphere burns up meteoroids before they can get to the surface.
6. Water is not a very important agent for living things.
7. All living things need nutrients.
8. Astrobiologists are searching for life elsewhere in space where water exists in its solid state and carbon exists in a large quantity.

VI- Match: Write the name of the planet with the letter that describes it. (1pt. each)


Mercury


Venus


Earth


Mars


Jupiter


Saturn


Uranus


Neptune

A. the largest planet in our solar system

B. the smallest planet in our solar system

C. where we live

D. the hottest planet in our solar system

E. has seven rings and at least 60 moons

F. the windiest planet with winds up to 1,200 mph

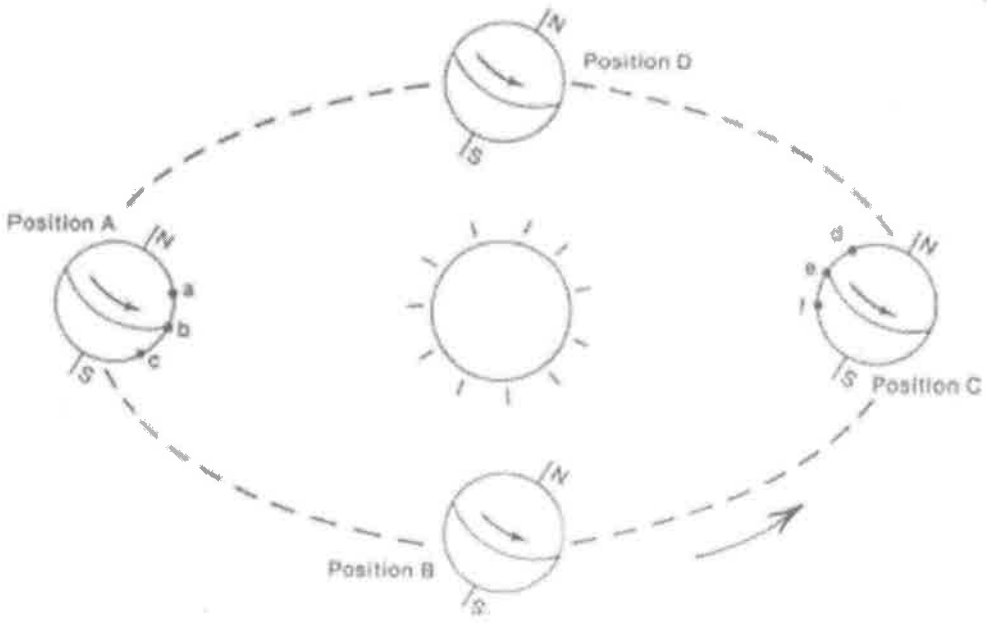
G. known as the "red planet"

H. an "ice giant" that spins on its side

VII- Who am I? (1pt. each)

1. I have the largest volcano in the solar system.
2. I have a very large spot that is a giant storm.
3. I look like Earth's moon, I have extreme temperatures because I have no atmosphere.
4. I am yellow in color.
5. I am known as Earth's sister because I am very similar to it in size and composition.
6. I only have two moons.
7. I have two dark spots.
8. I have iron oxide and rust in my soil.

VIII- Observe the figure below to fill in the blanks with the suitable word(s). (1pt. each)



1. In position A, the northern hemisphere is experiencing _____.
2. In position B, the northern hemisphere is experiencing _____.
3. In position D, the southern hemisphere is experiencing _____.
4. In position C, the northern hemisphere is experiencing _____.
5. The Earth's axis is leaning neither towards nor away from the Sun in position _____.
6. It will approximately take _____ months to move from position A to position C.
7. It is always colder near _____ because the sunlight hits Earth at an angle and the sun's rays are spread out over a larger area.
8. The Earth's orbit around the Sun is _____.

IX- Give short answers to the following questions. (2pts. each)

1. Define the term "rotation".
2. What is Earth's axis?
3. State two reasons explaining why life on Venus cannot exist

SE04/20242025/Physics/7BE /78

(16)

I. 1. orbits (8)
2. revolution
3. 365.25
4. 23.5
5. seasons
6. winter
7. June
8. southern

II. a. Roman goddess of love and beauty
b. 225 days
c. Mars
d. 2 years
e. Mercury
f. Roman god of travel and commerce
g. Jupiter
h. Roman sky god
i. English and German name that means soil
j. 365.25 days
k. Roman sea god
l. 165 years
m. Saturn.
n. 30 years.
o. Uranus
p. Greek sky god.

III. 1. Solstice (8)
2. Equinox
3. Equinox
4. Solstice
5. Solstice
6. Equinox
7. Equinox
8. Equinox

IV. 1. Asteroids (8)
2. Meteor
3. Astronomical unit
4. Dwarf planet
5. Meteoride
6. Nebula
7. Comets
8. The Sun

I. 1. True (8)
2. True
3. False
4. True
5. True
6. False
7. True
8. False

VI. Mercury_B Earth_C Jupiter_A Uranus_H
Venus_D Mars_G Saturn_E Neptune_F (8)

VII. 1. Mars (8)
2. Jupiter
3. Mercury
4. Saturn
5. Venus
6. Mars
7. Neptune
8. Mars.

VIII. 1. Summer (8)
2. Autumn
3. Autumn
4. Winter
5. B or D
6. 6 months
7. the poles
8. elliptical.

(6) IX. 1. The spinning motion of an object around itself.

2. An imaginary line that joins the poles together.

3. No Nourishment.
No liquid water.