



MAY:2023	Level: 3ASS /MA /GE	Duration : 2H30
<u>MOCK EXAM</u> <u>SUBJECT 2</u>		

Part One: Reading. (15points)

A. Comprehension.

Read the text carefully then do the following activities:

Behind a long rectangular window, in a high white room tended by ghostly figures in masks and hats, a new satellite is taking shape. Once in orbit later **this year**, WorldView-3 will be one of the most powerful Earth observation satellites ever sent into space by a private company. Spinning around the planet some 600 kilometres (370 miles) above us, it will cover every part of the Earth's surface every couple of days.

Ball Aerospace in Boulder, Colorado is building WorldView-3 for commercial satellite operator *DigitalGlobe*. It is the latest in a series of spacecraft designed to beam back high-resolution pictures of our planet, images that most of us will eventually see on Google Maps or Google Earth.

This month Google Maps celebrates its ninth anniversary, and in June so does the company's 3-D mapping app, Google Earth. Together **they** have changed the way we view the world. "Everybody I'm sure has looked up their house, their downtown, their business on Google Earth, and seen images from these satellites," says Jeff Dierks, Program Manager at Ball. "It gives me a lot of pride when I see a satellite image on a news programme with the DigitalGlobe logo on them."

With **its** long cylindrical shape, WorldView-3 looks more like a telescope than a camera and it works on the same principle. The light comes in through a barrel structure, pointed at the Earth, and is bounced around by a series of mirrors, before being focused onto a CCD sensor. The big difference – apart from the size – between this and a typical handheld digital camera, is that the spacecraft will not just take snapshots but continuous images along thin strips of land or sea. Behind it, a giant Stars and Stripes flag has been painted across the wall. "Seeing the flag makes our government customers unbelievably happy," laughs Dierks.

Adapted from : <https://www.bbc.com/future/article/2014>

1.Choose the letter that corresponds t the right answer.(1pt)

The text is : a.expository b.argumentative c.descriptive

2.Say whether the following statements are true or false according to the text. (2pts)

- WorldView-3 is a telecommunication satellite.
- The satellite will cover parts of the Earth surface.

- c) Google maps was first launched in 2005.
- d) WorldView-3 is rectangular.

3. Answer the following questions according to the text. (3pts)

- 1) What is WorldView-3 used for?
- 2) Do the satellite images of our planet belong to Google Earth ? Justify from the text.
- 3) How does the satellite work ?

4. What or who do the underlined words refer to in the text ? (1pt)

- a) This year (1\$)
- b) its (4\$)

5. In which paragraph is the description of the satellite mentioned ? (1pt)

**B/Text exploration
(07pts)**

1. Find in the text words whose definitions follow. 1,5

- 1. A vehicle used for travelling in space (2\$)
- 2. An optical instrument that magnifies faint and distant objects. (4\$)

2. Complete the table. 1,5

Verb	Noun	Adjective
To prove		
.....	measurement	
.....		wide

3. Rewrite sentence 'b' so that it means the same as sentence 'a'. 2pts

- a) The Earth observation satellite was sent into space by a private company.
- b) A private company.....
- a) "Everybody has looked up their house, their downtown, their business on Google Earth, and seen images from these satellites," said Jeff Dierks .
- b) Jeff Dierks said

4. Ask questions that the underlined words answer. 1pt

- 1) WorldView 3 is used to provide high resolution images of Earth.
- 2) The satellite weighs roughly three tons.

5. Reorder the following sentences to get a coherent paragraph. 1pt

- a. including satellites and GPS.
- b. , extreme temperatures and high speed impacts.
- c. Space exploration has benefited many areas of science and technology
- d. However, it carries significant risks including radiation

Part Two : Written Expression (05 points)

Choose ONE of the following topics.

Topic One :

The astronomy club of your school organizes an open-day on space exploration. You are asked to deliver a speech of about 70-80 words to the visitors on the benefits of satellite uses in people's everyday life.

The following notes may help you :

- facilitate/ TV and radio programmes/ broadcasting.
- ensure communication/ the Internet/ phone.
- provide data/ weather forecast/climate change/ natural catastrophes.
- enable people/ determine locations (GPS).

Topic Two :

You were scrolling through Instagram when an attractive ad announcing the opening of a new fast food restaurant in your city showed up. As You couldn't resist the images showing delicious food, you immediately ordered a delivery. Unfortunately, the delivery took a long time to arrive and the food was cold and tasteless. Write a letter of complaint to express your dissatisfaction with the food and the service.

GOOD LUCK

Correction
Reading comprehension

The text is descriptive

2) Say if the statements are true or false

False false true false

1) It is used for observing the earth/ commercial satellite operator

2) No, they do not It gives me a lot of pride when I see a satellite image on a news programme with the DigitalGlobe logo on them.”

3) WorldView-3 looks more like a telescope than a camera and it works on the same principle. The light comes in through a barrel structure, pointed at the Earth, and is bounced around by a series of mirrors, before being focused onto a CCD sensor.

Referring words

This year :2014 its : WORLDVIEW3

IN PARAGRAPH 4

Text exploration

1) spacecraft

2) telescope

2. Complete the table.

Verb	Noun	Adjective
To prove	proof	proven
To measure	measurement	measurable
widen	width	wide

3. Rewrite sentence ‘b’ so that it means the same as sentence ‘a’.

- c) The Earth observation satellite was sent into space by a private company.
- d) A private company sent the Earth observation satellite into space.
- c) “Everybody has looked up their house, their downtown, their business on Google Earth, and seen images from these satellites,” said Jeff Dierks .
- d) Jeff Dierks said that everybody had looked up their house, their downtown, their business on Google

4. Ask questions that the underlined words answer.

1) WorldView 3 is used to **provide high resolution images of Earth.**

What is WorldView3 used for?

2) The satellite weighs **roughly three tons.**

How much does the satellite weigh? .

5) Reorder the following sentences to get a coherent paragraph.

- a. including satellites and GPS.2
- b. , extreme temperatures and high speed impacts. 4
- c. Space exploration has benefited many areas of science and technology 1
- d. However, it carries significant risks including radiation3

**Part Two : Written Expression
points)**

(05