### Ain Zaâtout Secondary School Level: 1stYSE (Lit)

### School Year: 2010/2011 Duration: 01 hour

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| Name: ……………………………………………. |

### Last Term Test N° 2

### Read the text blow carefully then do the activities that follow.

**1.** The invention of the laser can be dated to 1958 with the publication of the scientific paper, Infrared and Optical Masers, by Arthur L. Schawlow and Charles H. Towns. **This** **paper** launched a new scientific field.

**2.** The word LASER is an acronym for **l**ight **a**mplification by **s**timulation **e**mission of **r**adiation. A laser is a device **that** creates and amplifies a narrow, intense beam of light.

**3.** Lasers are widely used in industry for cutting and boring metals and other materials, in medicine for surgery, and in communications, scientific research and holography. They are a part of such familiar devices as bar-code scanners used in supermarkets, scanners, laser printers and compact disc players.

**4.** The potential for lasers developed faster in the field of medicine after Kumar Patel invented the carbon dioxide laser in 1964. This permitted surgeons to perform highly intricate surgery using photons rather than scalpels, to both operate on and cauterize wounds. Lasers today can be inserted inside the body, performing operations that a few years ago were almost impossible to perform at little risk or discomfort to the patients.

***1. Tick the right answer. (02pts)***

A/ The text is: a) a biography b) a scientific report c) an opinion article

B/ The text is: a) narrative b) argumentative c) expository

***2. Are the following statements true or false? (03pts)***

a) The laser was invented in the mid twentieth century. ..............

b) The letters L A S E R stand for the names of the inventors of the device. ...............

c) The CO2 Laser allows surgeons to do complicated surgeries easily. ..............

***3. Answer the following questions according to the text. (03pts)***

a) The word LASER is an abbreviation; what is its full form?

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b) What is the laser used for?

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***4. Who/What do the underlined words refer to in the text? (02pts)***

a) this paper (§1) → ………......................... b) that (§2) → …….......................…

***5. Match words and their definitions. (02pts)***

|  |  |
| --- | --- |
| Words | Definitions |
| a) device  b) surgery  c) industry  d) light | 1) object or machine which has been invented for a particular purpose  2) manufacture or production of goods from raw materials  3) energy from the sun, a lamp, etc. that allows us to see things  4) medical treatment of injuries and diseases by cutting open the body |

***6. Which adjectives can be derived from the following words? (02pts)***

a) create → ............................ b) amplify → ..........................

c) industry → .......................... d) comfort → ..........................

***7. Join the following pairs of sentences using the connectors provided. Make the***

***necessary changes. (03pts)***

1(a) Marie Curie discovered a metal in 1898. (b) It was called Polonium. **(which)**

.........................................................................................................................

2(a) Tim Berners Lee is a scientist. (b) We should thank him for developing the World

Wide Web. **(whom)**

..................................................................................................................................

3(a) The scientist was making an experiment. The light went out. **(while)**

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***8. Classify the following words according to the pronunciation of their final ‘ed’. (03pts)***

a) dated b) launched c) used d) developed e) invented f) amplified

|  |  |  |
| --- | --- | --- |
| /t/ | /d/ | /id/ |
|  |  |  |

**GOOD LUCK**

**Your Teacher: S. H**

***Key Answer to the Last Term Test n° 02***

***1.***  A/ (b) a scientific report ......................................................................................... (01pt)

B/ (c) expository ..................................................................................................... (01pt)

***2.*** (a) T, (b) F, (c) T .................................................................................................. (03pts)

***3.*** a) The word LASER is an abbreviation for **l**ight **a**mplification by **s**timulation **e**mission of

**r**adiation.............................................................................................................. (01pt)

b) The laser is widely used in industry for cutting and boring metals and other

materials, in medicine for surgery, and in communications, scientific research and

holography......................................................................................................... (02pts)

***4.*** a) scientific paper (Infrared and Optical Masers), b) a device (a laser) ………….(02pts)

***5.*** a → 1, b → 4, c → 2, d → 3 ......................................................................... (02pts)

***6.*** a) creative, b) amplified, c) industrial/industrious, d) comfortable .............. (02pts)

***7.*** 1) Marie Curie discovered a metal in 1898, **which** was called Polonium................. (01pt)

2) Tim Berners Lee is a scientist, **whom** we should thank for developing the World

Wide Web............................................................................................................ (01pt)

3) **While** The scientist was making an experiment, the light went out.................... (01pt)

***8.*** ………………………………………………………………………………………………………………………….. (03pts)

|  |  |  |
| --- | --- | --- |
| /t/ | /d/ | /id/ |
| b) launched, d) developed | c) used  f) amplified | a) dated  e) invented |