**University of Djilali BOUNAAMA Khemis Miliana L1 ST**

**F Faculty: Science and Technology Scientific English I**

**D Department: Technology 2022/2023**

 **Last name: ……………….. Group:………..**

**Firs First name: ……………….**

**Final Exam**

**Exercice 01. Choose the correct answer/answers to the following statements (10 pts)**

**QCM.1. Triangles are polygons with**

1.Three sides and three interior angles

2.Four sides and three interior angles

3.Three sides and four interior angles

**QCM.2. Equilateral triangles have**

1.Three sides with the different length

2.Three sides with the same length

3.Four sides with the same length

**QCM.3. Each interior angle of an equilateral triangle measures**

1.65° 2.62° 3.60°

**QCM.4. Quadrilaterals are polygons with**

1.Four sides and three interior angles

2.Four sides and two interior angles

3.Four sides and four interior angles

**QCM.5. Parallelograms are quadrilaterals with**

 1.Two pairs of equivalent sides and two pairs of angles with the same measure

2.Two pairs of parallel sides and two pairs of angles with the same measure

3.Two pairs of dissimilar sides and two pairs of angles with the same measure

4.Two pairs of parallel sides and two pairs of angles with the different measure

**QCM.6. The adjoining sides of rectangles are**

1.Perpendicular 2.Unperpendicular

**QCM.7. Which of the following statements must be true for a square?**

1.Opposite sides have equal length

2.Adjacent angles have the same measure

3.Adjacent sides are perpendicular

**QCM.8. A substance made from two elements is refer to**

1.Element 2.Compound

**QCM.9. Chemical bond is**

1.Any of several attractive forces that serve to bind atoms together to form element

2.Any of several attractive forces that serve to bind atoms together to form compounds

 **3.**Any of several attractive forces that serve to bind atoms together to form molecules

**QCM.10. A chemical element is**

1. A pristine substance that consists of one type of atom

2.A pure substance that consists of one type of atom

3.A pure substance that consists of two type of atom

4.A pristine substance that consists of two type of atom

**QCM.11. Atomic number of an element is the number of**

1.Protons that are in the nucleus of a single atom of that element

2.Neutrons that are in the nucleus of a single atom of that element

3.Electrons that are in the nucleus of a single atom of that element

 **QCM.12. The periodic table of elements is ordered by**

1.Descending atomic number

2.Ascending mass number

3.Ascending atomic number

**QCM.13. The elements found on the left side of the periodic table, are:**

1. Metals 2. Metalloids 3. Non-metals

**QCM.14. Metals are**

1.Seldom conductive to electricity

2.Malleable and shiny

3.Not magnetic

**QCM.15. The elements found on the right side of the periodic table, are:**

1.Metals 2.Metalloids 3.Non-metals

**QCM.16. Carbon and oxygen are:**

 1.Seldom conductive

2.Malleable

3.Not bright

4.Not magnetic

**QCM.17. Steel is a ferrous alloy consisting primarily of**

 1.Iron and aluminium 2.Iron and carbon 3. Iron and oxygen

**QCM.18. Welding is the most economical and efficient way to join**

1.Metal 2.Steel

**Exercice 02 (10 pts)**

1. **Who invented the lathe machine? How it is work?**

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1. **What is welding?**

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1. **Briefly explain the difference between IRON and STEEL.**

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1. **Match the following words with the corresponding definitions.**

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| --- | --- |
| **Word** | **Definition** |
| **Welding helmet**  | protects feet and hands from heat, burns, electric shock. |
| **Fire resistant clothing** | protects against fumes and oxides.  |
| **Respirators**  | protects eyes and face from flying particles, intense light, irritation and chemical burns.  |
| **Boots and gloves**  | protects against noise.  |
| **Earmuffs**  | protects against: heat, fire, burns |

**Note:**

* **Right answer (+1) / false answer (-1)**
* **The answer must be written on the examination paper with a pen. Papers copied from another paper will not be accepted for correction.**
* **Unclear answers are not corrected.**

ملاحظة

الإجابة في ورقة الامتحان يجب أن تكتب بقلم الحبر الجاف لذالك فأي ورقة يتم نسخها عن ورقة أخري

هي غير مقبولة لتصحيح.

الإجابات غير الواضحة لا يتم تصحيحها.