*Larbi ben M’hidi University -Oum el bouaghi-*

*Faculty SESNV | Department : MI*

*Lecturer : BAAZIZ Mohammed Lamine*

*Module : ICT(Information and Communication technology)*

*Time*:1h30 date 12/05/2025

*Level : 1st year computer science and mathematics*

**Questions:**

1. What is the difference between a **Crawler (Meta-Moteur)**and **a Search engine** الفرق بين قدم ?
2. Give three 0f Main components Of interconnexion الشبكات لتواصل أعط ثلاثة من المكونات الرئيسية

1. *Cite two applications of TIC (ICT)? أذكر تطبيقين ل 2 pts*
2. For INTERNET history what represent theses years : 2 pts بالنسبة لتاريخ الإنترنت، ما الذي تمثل هذه السنوات

**1969……………………………………………….**

**1971…………………………………………………..**

**The end of 1990……………………………………………**



1. What are the six tools of ICT (TIC) studied in the course in order ?
2. In the case of using google, give the result of research for the terms in the following table

**3 pts**

في حالة استخدام جوجل ، أعط نتيجة البحث عن المفردات في الجدول التالي

|  |  |
| --- | --- |
| Terms to search | Result |
| **‘Informatique’** |  |
| Site: www.univ-oeb.dz |  |
| Workflow OR Data science |  |
| Deep Learning - ICT |  |

1. According to the PAN, LAN, MAN, and WAN classification, Categorize the networks of the following infrastructures? (3.5 pts) صنِّف شبكات البنى التحتية التالية

- A house (maison)→  
- Multinational company (compagnie) →   
- Internet →   
- A city (ville)→   
- A country (pays)→   
- A continent (continent)→   
- A PC with a keyboard (ordinateur personnel) →

1. *A). What are the standard web banner formats. 1.5* ***pts*** ما هي أشكال لافتات الويب

B). What is the main difference between the web banner and the interstitial? 1,5 pts

Quelle est la difference entre une banniere web et une interstitiel ?