MOHAMED BOUDIAF UNIVERSITY

Faculty of science and Technology

Departments of:

(Electronic, hydraulic, civil, electrical, mechanical, electro technical engineering)

Date: Saturday 19/01/2020

Level: 2nd year

Duration: 1 hour 30 min

Subject: English

Full name :.....

Department :.....group...

First semester Exam

Question 01: transcribe these numbers and symbols (8 pts.)

12+20=32	**Twelve plus twenty equals thirty two (0.5)**
30-10=20	**Thirty minus ten equals twenty (0.5)**
100≤ 100	**One hundred is less than or equal to one hundred (0.5)**
200≥ 200	**Two hundred is greater than or equal to two hundred (0.5)**
10000	**Ten thousands**
6× 6 = 36	**Six multiplied by six equals thirty six**
100÷ 10 = 10	**One hundred divided by ten equals ten**
10> 5	**Ten is greater than five**
17< 20	**Seventeen is less than twenty**
100%	**One hundred percent**
18°	**Eighteen degree**
77≠ 44	**Seventy seven does not equal forty four**
1st	**First**
13th	**Thirteenth**
3rd	**Third**
768	**Seven hundred sixty eight**
200000	**Two hundred thousands**

Question 02: translate these terms into Arabic or French (7 pts.)

- Boiler **Chaudière** سخان مياه (0.5)
- Crane **CRIC** رافعه **-grue**
- Gas engine محرك الغاز **Moteur à gaz (0.5)**
- Machine tool أداة آلية
- Pump **pompe** مضخة
- Turbine البخار, الغاز, محرك يعمل بقوة الماء
- Mining engineering • هندسة التعدين • **Ingénierie minière**
- Petroleum production engineering • **Ingénierie de production pétrolière** • هندسة إنتاج البترول
- Hard drive • قرص صلب • **Disque dur**
- Flash disk – **clé USB**
- Chip – **puce-** رقاقة
- Industrial engineering • هندسة صناعية
- Search engine • محرك البحث • **Moteur de recherche**
- Terms of use • **Conditions d'utilisation** • تعليمات الاستخدام

Question 03:

Here is an extract from a speech made by a careers advisor to a group of students choosing their future courses of study at university. Complete the speech by choosing one of the words from the box. (5 pts.)

Machines – highway – mechanical - chemical – civil – physics – electrical - develop- production – electronic.

Engineering students should have an understanding of maths, (a) **physics (0.5)** and chemistry. Working with pharmaceuticals, food, mineral processing and chemical manufacturing, a (b) **chemical(0.5)** engineer is trained to understand, design, control, and investigate material flows. If you enjoy problem solving and find projects such as the Channel Tunnel and the Three Gorges Dam interesting, (c) **civil** engineering may be for you. You will produce creative designs at an economical price white paying due concern to the environment. If your interest is in road building then you may decide to follow a specialized course in (d) **highway** engineering. By studying (e) **electronic** and (f) **electrical** engineering you learn about the design of complete systems, such as computers, controllers, power and transport systems.(g) **mechanical** engineers plan, design and (h) **develop** a wide range of things: washing machines, cars and spacecraft.(i) **production** engineers work very closely with mechanical engineers, to make new products at the right price, on time and in the correct quantity. As well as designing and selecting (j) **machines** and materials, they also organize people and finance.

Best of luck!