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 **UNIVERSITY OF BISKRA**

 **DEPARTMENT OF TECHNOLOGY**

 **MODULE: TECHNICAL ENGLISH**

ENGLISH LECTURE REPORT

**Activities and exercises**

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 For Second Year Student License Technology

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***Exercise 1:*** write the present simple form of the verbs in table

|  |  |  |
| --- | --- | --- |
| **Verb** | **Past Simple** | **Past Participle** |
| Come  | came | come |
| Do | did | done |
| Speak | spoke | spoken |
| Forbide  | forbade | forbidden |
| Know | knew | known |
| Learn  | learned | learned |

#### Exercise 2: Put the Adjectives between Brackets in the Correct Form

1. She is **taller** (tall) than you are.
2. I am **more exhausted** (exhausted) than her.
3. She is **happier** (happy) than him.
4. He is **better** (good) at maths than me.
5. That film is **worse** (bad) than this one.

***Exercise 3:*** Put the Adjectives between Brackets in the Correct Form

Haut du formulaire

1. My sister thinks she’s (intelligent) than me, but I don't agree!
2. *Avatar* is probably (bad) film I've seen!
3. What is (wet) month of the year in England?
4. Do you think the *Harry Potter* films are (good) than the books?
5. Who is (powerful) person in your country?
6. I think *Men in Black 1* was (funny) than *Men in Black 3*.
7. Is Angelina Jolie (old) than Sandra Bullock?
8. John is (nice) person that I know.

#### Exercise 4: What Is the Correct Plural of The Word?

1. These (person)  are protesting against the president.
2. The (woman)  over there want to meet the manager.
3. My (child)  hate eating pasta.
4. I am ill. My (foot)  hurt.
5. Muslims sacrifice (sheep)  in a religious celebration called Eid Al Adha.
6. I clean my (tooth)  three times a day.
7. The (student)  are doing the exercise right now.
8. The (fish)  I bought is in the fridge.
9. They are sending some (man)  to fix the roof.
10. Most (housewife)  work more than ten hours a day at home.
11. Where did you put the (knife)  ?
On the (shelf)  .
12. (Goose)  like water.
13. (Piano)  are expensive
14. Some (policeman)  came to arrest him.
15. Where is my (luggage)  ? In the car!

***Exercise 5*:** Read the question carefully and choose the right answer (s)Bas du formulaire

1) - identify the word that is underlined as either an adjective noun or pronoun

 - The science book is on the Shelf

* adjective
* **noun**
* pronoun

2) - choose the right forms of English nouns either singular or plural

 - There is one……….. on the floor.

* **Mouse**
* Mice

3) - “**Solar energy**” it’s a source of renewable energy and it is a radiant light and heat form:

* soil
* **Sun**
* Wind

4) - Decide whether the words in bold are nouns or verbs

 They play the “**drums”.**

* **Noun**
* Verb

5) - A scalar quantity that refers to how “**fast an object is moving”** is:

* **Speed**
* Temperature
* Weights

6) – A measure of the amount of matter in an object. It is usually measured in grams (g) or kilograms (kg)

* kinetic energy
* Gravity
* **Mass**

7) - A flow of negatively charged electrons from atom to Atom through a conductor in an electrical circuit is called:

* A magnetic
* **A current**
* A charge

8) – A fluid matter having no fixed shape but a fixed volume is defined as:

* A solid
* **A liquid**

9) - cables consistent of several copper wires each with a shield are known as..………….. cables

* **Power cables**
* Twisted pairs
* Optical fiber

10) - the part of computer which interprets and carriers out instruction is a central………..

* Information
* **Processing unit**
* Card

***Exercise 6:*** fill in the gaps with the appropriate words from the list:

 **A)-**

 **Measurements, length, distances, science.**

 Geometry originated as a practical **science** concerned with surveying, **Measurements**, areas, and volumes. Among the notable accomplishments one finds formulas for **length**, areas, and volumes, such a Pythagorean theory and area of circle, area of a triangle, and volume of a cylinder, sphere, and a pyramid. A method of computing certain inaccessible heights and **distances** based on similarity of geometric figures is attributed to Thales.

B)-

 **discipline, solving, minimum, equations,** **algebraic**

Algebra emerged as a fundamental **discipline** focused on problem-solving **equations**; patterns, and mathematical relationships. Among its significant developments are methods for **solving** linear and quadratic equations, such as the quadratic formula, factoring techniques, and systems of equations. The discipline encompasses work with variables, polynomials, and functions, including ways to analyze graphs, find roots, and determine maximum and **minimum** values. A systematic approach to solving complex mathematical problems using symbolic representation and manipulation is credited to Al-Khwarizmi, whose work laid the foundation for modern **algebraic.** notation and methods.

***Exercise 7:*** write the equation on alphabets (letters):

8 - 5 = 3: eight minus five equals three,

15 ÷ 3 = 5: Fifteen divided by three equals five

3 + 4 = 7: three plus four equals seven

√16 = 4: the square root of sixteen equals four

$-2.3∙10^{6}$: Minus two point three times ten to the six.

x 2 - 3 y = - 4: x squared minus three y equals minus four

***Exercise 8****:* translate these terms into French or Arabic

* + Gas engine= moteur à gaz محرك الغاز
	+ Machine tool= اداة الية
	+ Pump= pompe مضخة
	+ An electric motor = moteur électriqueمحرك كهربائي
	+ A transformer = transformateur محول
	+ Arrier wave = onde porteuse موجة ناقلة
	+ Frequency modulation= تعديل التردد
	+ An electronic circuit= circuit électrique دارة كهربائية
	+ A capacitor = un condensateur مكثف
	+ Digital signal processors= processeurs des signaux numériques
	+ A sensor = un capteur جهاز استشعار
	+ Pressure= pression الضغط
	+ **Wind energy= énergie éolienne طاقة الرياح**
	+ **Hydroelectric energy= énergie hydraulique الطاقة المائية**
	+ **Geothermal energy= énergie géothermique الطاقة الحرارية**

***Exercise 9:*** fill in the gaps with the following words: **produce /steam turbines/ blades/ forced / generator / kinetic energy / electricity / mechanical**

 *Most of the* ***electricity****. In the United States is produced in****…steam turbines.*** *A turbine converts the* ***……kinetic energy……*** *of a moving fluid (liquid or gas) to…****mechanical****…… energy. Steam turbines have a series of …****blades****…..mounted on a shaft against which steam is* ***……forced……….*** *and the shaft is connected to****…generator…****.The fuel is burned in a furnace to heat water in a boiler in order****…to produce……..*** *steam.*

***Exercise 10:***

***a)-***

|  |  |
| --- | --- |
| 3/7 | **Three sevenths**  |
| (x+y)3   | **X plus y all cubed**  |
| x≤y  : | **X is less than or equal to y** |

***b)-* Choose the past perfect, or the past simple:**

1. We had already eaten when John …**came**……**(** come) home.
2. Last year Juan ..........**passed**........ (pass) all his exams.

**c)-** **Make the singular nouns into plural nouns:**

 **1-** The (library) **libraries**… …. have a collection of rare books

1. You can put (sugar) **…sugar……** in your tea

***Exercise 11:*** give some devices and tools of each electrical engineering specialties:

* + Power and energy : **electrrical grid- transformer- electric motor**
	+ Telecommunications : **transmission- coxial cable- amplitude modulation**
	+ Electronics : **electronic- circuit- resistor- LC circuit**
	+ Control engineering and automatic : **microcontroller- robotics- feedback**
	+ Electro technical and Instrumentation engineering: **pressure- electromagnetism- a thermocouple**

***Exercise 12:*** Comparative and Superlative List

### *Regular Adjectives*

|  |  |  |
| --- | --- | --- |
| **Adjective** | **Comparative** | **Superlative** |
| Angry | angrier | angriest |
| Beautiful | more beautiful | most beautiful |
| Big | bigger | biggest |
| Boring | more boring | most boring |
| Cheap | cheaper | cheapest |
| Clean | cleaner | cleanest |
| Clever | cleverer | cleverest |
| Close | closer | closest |
| Cold | colder | coldest |
| Cool | cooler | coolest |
| Crazy | crazier | craziest |
| Crispy | crispier | crispiest |
| Cute | cuter | cutest |
| Dark | darker | darkest |
| Deep | deeper | deepest |
| Dirty | dirtier | dirtiest |
| Dry | drier | driest |
| Early | earlier | earliest |
| easy | easier | easiest |
| expensive | more expensive | most expensive |
| fast | faster | fastest |
| fat | fatter | fattest |
| few | fewer | fewest |
| fit | fitter | fittest |
| flat | flatter | flattest |
| fresh | fresher | freshest |
| funny | funnier | funniest |
| great | greater | greatest |
| hairy | hairier | hairiest |
| happy | happier | happiest |
| healthy | healthier | healthiest |
| heavy | heavier | heaviest |
| high | higher | highest |
| hot | hotter | hottest |
| hungry | hungrier | hungriest |
| interesting | more interesting | most interesting |
| kind | kinder | kindest |
| large | larger | largest |
| late | later | latest |
| light | lighter | lightest |
| little | littler | littlest |
| long | longer | longest |
| loud | louder | loudest |
| low | lower | lowest |
| modern | more modern | most modern |
| near | nearer | nearest |
| new | newer | newest |
| nice | nicer | nicest |
| old | older | oldest |
| poor | poorer | poorest |
| popular | more popular | most popular |
| quick | quicker | quickest |
| rich | richer | richest |
| sad | sadder | saddest |
| salty | saltier | saltiest |
| scary | scarier | scariest |
| short | shorter | shortest |
| skinny | skinnier | skinniest |
| slow | slower | slowest |
| small | smaller | smallest |
| smart | smarter | smartest |
| soft | softer | softest |
| strong | stronger | strongest |
| tall | taller | tallest |
| thick | thicker | thickest |
| tired | more tired | most tired |
| ugly | uglier | ugliest |
| warm | warmer | warmest |
| weak | weaker | weakest |
| wet | wetter | wettest |
| wide | wider | widest |
| young | younger | youngest |

### *Irregular Adjectives*

|  |  |  |
| --- | --- | --- |
|  **Adjective** | **Comparative** | **Superlative** |
| Good | better | best |
| Bad | worse | worst |
| Much | more | most |
| Far | Further / Farther | Furthest /Farthest |
| Less | lesser | least |
| Many | more | most |
| Well | better | best |