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الجمهورية الجزائرية الديمقراطية الشعبية
وزارة التربية الوطنية
مؤسسة التربية و التعليم الخاصة - سليم -
S.A.L.I.M
ETABLISSEMENT PRIVE D'EDUCATION ET D'ENSEIGNEMENT- SALIM -
اعتماد رقم 40 بتاريخ 23 جوان 2015 تحضيري - إبتدائي - متوسط - ثانوي رخصة فتح رقم 1094 بتاريخ 02 سبتمبر 2015

Level :2 ASS	March2020
Second Term English Exam	Duration :2 Hours

Part One: *Read the text carefully and do the activities.*

The two main electric hazards of electricity are electric shock and fire. Both hazards can be avoided if electrical equipments and installations are properly used.

*How does electric shock occur? Electricity "escapes" from a circuit by travelling to earth. If **it** travels to earth through a human body, it causes an electric shock. The shock may be small and insignificant or fatal. This depends on the voltage of the electricity and the resistance of the body and ground. An electric shock is more dangerous when resistance is low. For example, wet ground has a lower resistance than dry ground. A man on wet ground may be killed by an electric shock. Similarly, most metals have a low resistance. If a man is holding on a metal ladder and receives an electric shock, this latter may kill him.*

Fires in electrical equipments are caused by overheating or sparking. They can also be caused by damaged insulation. The main danger of most small fires is that they can spread quickly.

*All electric tools, equipments and other installations should be earthed, especially if **they** are made of metal. An earth- wire has a very low resistance. If electricity "escapes", it follows the earth-wire. The equipment is still safe to touch. All electrical wires should also be insulated. Insulation prevents contact between the electric circuit and anything else. The insulation must not be broken or frayed.*

In addition, electricians and other workers doing electrical repairs should take special precautions: before starting work, they should switch off the electric current at the mains and wear thick rubber shoes -rubber has high resistance to electric current.

Adapted from Industrial Safety C.J.Moor. R.V.Allot Heinemann Education Books.

A/- Reading Interpretation: (8 pts)

1) - Choose the right answer: (1 pt)

a)- The text is an extract from: *a- the internet b- a newspaper c- a book*

b) - It is about: *1- The invention of electricity.*
2- The dangers of electricity.
3- The use of electricity.

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2) - Are the following statements true or false according to the text :(2 pts)

a) An electric shock is less dangerous when resistance is high.

b) Dry ground has less resistance than wet ground.

c) Fires in electric equipments are caused only by overheating and sparking.

d) Insulation protects from electric shocks.

3) - Answer the following questions according to the text: (4 pts)

a- How is an electric shock caused?

b- When is it still safe to touch electric equipment even if electricity escapes?

c- What precautions should be taken before repairing electric equipments?

d- Does rubber have low resistance to electric current?

4) - What or who do the underlined words refer to in the text? (1 pt)

a- it (§2) =……. *b- they (§4) =……..*

B/- Text Exploration: (7 pts)

1)- Match each word with its suitable meaning: (1 pt)

Word	*Meaning*
1- hazards	*a- safety measures*
2- fatal	*b- dangers*
3- safe	*c- can cause death*
4-precautions	*d- harmless*

2) - Complete the following table: (1 pt)

Verb	*Noun*	*Adjective*
To electricity	*……*	*……*
……..	*resistance*	*……*

3) - Rewrite sentence "b" so that it means the same as sentence "a": (1 pt)

A)-a- Electricians should wear thick rubber shoes.

b- Thick rubber shoes……..

B)-a- Sure, man's life has been improved by inventions.

b- Sure, inventions……..

4) - Put the verbs between brackets into the correct tense: (2 pts)

a- If you (to heat) ice, it (to melt).

b- John (to get) good mark in the exam if he (to revise) Space and Technology Unit well.

5) - Fill in the gaps with the following words: (aware- occur- dangerous- act) (1 pt)

Careful workers plan what they are going to do before they ……1……. . Their minds are always ……2…….of what their bodies are doing. They think of problems before they …….3….. and are able to avoid ……4…….situations.

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5) - Classify the following according to the pronunciation of the final "ed". (1 pt)

used- avoided- escaped- insulated

/t/	/d/	/id/

Part Two: Written Expression (5 pts)

Choose one of the following topics

Topic One: *Because of some personal problems, your friend decided to leave school and stop his studies. Write a letter to convince him/her not giving up studying by stating the disadvantages of dropping out from school. Use the following notes:*

- *Fewer job opportunities.*
- *Earn lower wages when employed.*
- *Will regret the choice later in life.*
- *Lack of access to higher education.*
- *Remember the more you learn, the more you earn.*

Topic Two*:*

You are an environmentalist, write a speech of 12 lines about the negative consequences that technology has brought to our environment(polluted rivers- too many buildings- new diseases- noise pollution……)

Good Luck

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Correction:

A/- Reading Interpretation: (8 pts)

1) - Choose the right answer: (1 pt)

a)- The text is an extract from: *a- a book*

b) - It is about*: 2- The dangers of electricity.*

2) - Are the following statements true or false according to the text :(2 pts)

a) An electric shock is less dangerous when resistance is high. False

b) Dry ground has less resistance than wet ground. False

c) Fires in electric equipments are caused only by overheating and sparking. False

d) Insulation protects from electric shocks. True

3) - Answer the following questions according to the text: (4 pts)

a- An electric shock is caused when it escapes from a circuit by travelling to earth and travel to earth through a human body.

b- It is still safe to touch electric equipment even if electricity escapes when all electric tools, equipments and other installation are earthed, an earth- wire has a very low resistance so if electricity escapes , it follows the earth-wire.

c- Precautions that should be taken before repairing electric equipments are: they should switch off the electric current at the mains and wear thick rubber shoes.

d- No, it doesn't.

4) - What or who do the underlined words refer to in the text? (1 pt)

a- it (§2) =electricity *b- they (§4) = All electric tools, equipment and other installation.*

B/- Text Exploration: (7 pts)

1)- Match each word with its suitable meaning: (1 pt)

Word	*Meaning*
1- hazards	*dangers*
2- fatal	*can cause death*
3- safe	*harmless*
4-precautions	*safety measures*

2) - Complete the following table: (1 pt)

Verb	*Noun*	*Adjective*
To electrify ***to resist***	***electricity*** *resistance*	***Electric- electrical*** ***resistible***

3) - Rewrite sentence "b" so that it means the same as sentence "a": (1 pt)

A)-a- Electricians should wear thick rubber shoes.

b- Thick rubber shoes should be wore by electricians.

B)-a- Sure, man's life has been improved by inventions.

b- Sure, inventions have improved man's life.

4) - Put the verbs between brackets into the correct tense: (2 pts)

a- If you ***heat*** *ice, it* ***melts****.*

b- John ***will get*** *good mark in the exam if he* ***revises*** *Space and Technology Unit well.*

5) - Fill in the gaps with the following words: (aware- occur- dangerous- act) (1 pt)

Careful workers plan what they are going to do before they ***act.*** *Their minds are always* ***aware*** *of what their bodies are doing. They think of problems before they* ***occur*** *and are able to avoid* ***dangerous*** *situations.*

5) - Classify the following according to the pronunciation of the final "ed". (1 pt)

used- avoided- escaped- insulated

/t/	*/d/*	*/id/*
Escaped-	***used***	***Avoided-*** ***insuulated***

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PartTwo:WrittenExpression(5pts)

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