

PART ONE

Reading Comprehension (30marks)

I- Choose the best option to be the best title of the article: (1mark)

(1) Should we be worried if our homes are smarter than we are?

II- With reference to the passage, complete the chart by focusing on the benefits the IoT could provide in the following fields to facilitate citizen's life: (3marks)

The field	The benefits
- Traffic	<i>Signalling to nearby cars that parking bays are empty</i>
- Civil Protection	<i>Having advance warning of downstream floods</i>
- Energy	<i>Optimising/monitoring energy consumption</i>

Earning about your energy usage

III- Answer the following questions: (7marks)

1- Which technological components are mainly needed to make homes smart? (4marks)

- (a) Sensors
- (b) Remotely-controlled power outlets
- (c) A wireless hub
- (d) A smart app

2- What are the drawbacks people may face in case they opt for a smart home? (3marks)

- (a) Privacy is at risk/ spying on the owners
- (b) Complexity/ user bafflement if anything goes wrong
- (c) Insecurity (PleaseRobMe website)

IV- Complete with words or phrases with reference to the text: (3marks)

1- Both the (a) *customer/house owner* consumer/subscriber/ owner as well as the utility company can benefit from the smart meters' installation in homes. This enables the latter not only to (b) *bill the consumer without having to send a man to your door* but also (c) *remotely disconnect consumers' supply*.

2- Homes that are fit with networked computers become smart, yet there's no guarantee that these houses are (a) *completely/ totally safe* secure and that they wouldn't be broken into.

V- Say whether the following statements are true or false and justify from the text: (4marks)

1- The digital technology is so flourishing that it is expected to have almost two thirds of users sharing IoT devices in their homes.

(true) A study by Accenture ... predicts that 69% will have an IoT device by 2019. (§5)

2- The price of electricity is uniform.

(false) Since the price of electricity varies on an hourly basis/ when demand – and therefore the price per unit – is low. (§9)

VI- Select the right option: (3marks)

1- Could easily wind up on the "please RobMe website" (§5- line 5) means:

b- Could find yourself in an unexpected and unpleasant situation.

2- Should be taken "with a grain of salt" (§5- line 6) means:

a- Accept with reservation.

3- There's an obvious fly in this soothing ointment (§10- line 1) means:

a- There's a minor irritation that spoils enjoyment.

VII- Explain the following using your own words (2marks)

1- two sides of the same coin (§1): *the same thing presented in two different ways*

2- technology giveth and technology taketh away (§10): *as it has advantages, technology also has drawbacks*

VIII- What do the underlined words in the text refer to? (3marks)

1- that pair (§1) : *the Iot (the Next BigThing), big data*

2- the act (§5): *every home should be a smart home*

3- so (§10): *remotely disconnect you / the ability of disconnecting you*

IX- Find words that have approximately the same meaning as the following: (3marks)

1- fundamental (§2): *underlying*

2- company (§5): *outfit*

3- precise (§5): *accurate*

PART TWO

LANGUAGE (30marks)

I- Put the bracketed words in the right tense or form (10marks)

1	driest	6	began
2	occur	7	are known
3	destructive	8	grew
4	are seeing	9	have charged
5	have been	10	deliberately

II- Fill in the blanks with the appropriate words: (10marks)

customer (1/2)

1	customers	6	particular
2	opportunity	7	objective
3	journeys	8	better
4	constantly/continually <i>consistently</i>	9	reduce/ restrain
5	risky	10	gather

III- Express differently starting as given (keep the same meaning): (10marks)

- 1- This is *the most devastating hurricane* *I have ever witnessed.*
- 2- I (*needn't be / don't have to be/ don't need to be*) reminded all the time to watch my language.
- 3- You should *have taught them how to use this machine.*
- 4- They were looking forward *to moving into their new house.*
- 5- I'm sorry, I'd rather *not go sailing now.*
- 6- Unless *he reduces the deficit, the president won't be re-elected.*
- 7- The road *was claimed to have been closed for repair.*
- 8- The police officer asked *what they had stolen.*
- 9- Had *the government responded quickly to the outbreak, the virus wouldn't have affected so many.*
- 10- Although *the U.N. Environment has continuously supported (continuously supports / is continuously supporting) the African governments, they are unable to tackle the issue of electronic waste.*

PART THREE

WRITING (20 marks)

I- Re-arrange to obtain a coherent sentence: (write the corresponding letters) (3marks)

1 → e 2 → c 3 → b 4 → a 5 → f 6 → d

II- Find the FOUR mistakes and correct them: (2marks)

Mistake	Correction
<i>cross</i>	<i>across</i>
<i>screened</i>	<i>screening</i>
<i>by</i>	<i>to</i>
<i>it's</i>	<i>its</i>

III- ESSAY (15marks)

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Suggested marking scheme: 5 pts: ideas / 2 pts: grammar / 2pts: vocabulary /

2pts: spelling / 2 pts: cohesion & coherence/ 2pts: punctuation
.....

Suggested ideas in case of agreement with the statement :

1-Positive environmental aspects : *many species enjoying the extra space such as sea turtles, reptiles, dolphins ... kangaroos and goats have more freedom to roam * NASA and the European Space Agency first saw the effect via satellite data that shows China's dramatic drop in nitrogen dioxide emissions/ reduction in air pollution : the Himalayas are visible from parts of India... life everywhere just seems to be breathing easier.

2-Crises breed so much innovation: *innovators in different fields are jumping in to help * manufacturers shifted their production to hand sanitizers, face masks, life-saving machines..

* Engineers' newly-invented detectors are installed in all hospitals' entries

3-Positive social aspects : * people have become physically distant but socially / emotionally more connected (parents spending more time with their children). * Volunteers have worked hard to reduce social isolation and loneliness by delivering emergency food parcels or medicines for people in need especially those who may be older and more at risk from corona virus . * Others have used their balconies in unconventional ways ; they stepped out to their balconies for fresh air , chats with neighbours and to cheer for healthcare workers * more interest in hygiene as a way of survival: no more shaking hands , covering mouth when coughing , wearing face masks in public places and sanitizing hands ...

4-Positive educational aspects Physical distancing has brought about new innovative volunteer opportunities and has motivated helpers to find plenty of creative ways to serve others remotely .Many teachers have given multiple courses to students online , encouraging them to keep learning in this crucial period .

5. Teleworking **Suggested ideas in case of disagreement with the statement :**

Personally I disagree with the opinion / I find the opinion illogicalfor the reasons to come :
The economy has taken a big hit. *Small businesses which thrive on daily incomes have been badly shaken . Big businesses have not been spared either. *Tourism and travel have been rattled. Many airlines have already declared their situation as dire. Some have already filed for bankruptcy. Thousands of workers in different fields have been made **jobless**.

To contain the spread of the coronavirus, many countries have shut workplaces, schools and places of entertainment, confining millions to their home. This has affected **psychologically** many people, giving rise to the "cabin fever syndrome":claustrophobia... When stuck indoors, some people become what has been called "stir crazy" : restlessness, irritability, impatience, feelings of lethargy, difficulties concentrating, low motivation, food cravings (gaining weight) and sleep disorders (difficulties to fall asleep or sleeping too much).

Socially, the lockdown situation has given abusers free will to carry on with their misdeeds . Increased numbers of children and women have been exposed to domestic violence . In Tunisia the number of women suffering from domestic abuse has had a nine fold increase during the lockdown leading to divorce .The anxiety and the financial pressure are fuelling the stress factors in many families. "For some children and mothers ,home is not a place of safety."