Part II - READING COMPREHENSION (B)

Read the following passage carefully and answer question 2 in English. Hebrew or Arabic will not be accepted in this part of the test.

Saving Lives

I

Up to today more than 20 million people worldwide have lost their lives in car accidents. In 1899, Henry Bliss became North America's first car accident fatality. By the 1930s the automobile was a part of daily life and the number of accidents increased. The inside of the early models of cars was not safe: the steering wheels were not collapsible, there were levers that stuck out and there were no seatbelts.

II

To make cars safer researchers used dead human bodies to find out how the human body reacts in an accident. Although using dead bodies helped design safer cars they are no longer used because some people said it was immoral. In the 1950s some researchers volunteered to be test subjects but this limited what could be tested. Later, in the 1960s, animals were used for testing. Pigs were the kind of animal used most because their inner structure is similar to a human's and they can also be placed in a vehicle almost like a seated human. However, animal rights groups were against making animals suffer, so animals are no longer used.

III

The final solution was to make a dummy- a human size doll built like the human body. Today there are male, female, and children dummies. The dummies are a standardized device and any part that is broken in a test can be replaced with an identical one. As a result, each dummy can be used many times.

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Since the 1980s more people survive crashes because cars have safety features. The most helpful is the strong windscreen, then come seatbelts and last come airbags. Although fewer lives are lost today, every time someone is killed, 100 people are hurt. Safety research is still needed. Now computers are used instead of dummies. A virtual vehicle can be crashed, un-crashed and crashed again in a different way. A human body can be hurt and unhurt. Everything is controlled and every event can be repeated by the computer. Using virtual dummies will save time and money and no one will suffer to help save our lives.

(adapted from Wikkepedia.com- Dummies)

QUESTIONS (part I I)

2. *Answer the following questions in English.* *(30 points)*

a. *Match [A] to [B] according to the text.*

A	B
a. the first recorded car accident	(i) 1960s
b. when animals were used for research	(ii) 100
c. the number of people injured with every death	(iii) 1899
d. the number of people killed in car accidents	(iv) 20 million

(a) _____ (b) _____ (c)_____ (d)_____

b. List 2 reasons why cars weren't safe in the 1930s? (paragraph I)

1. _____

2. _____

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c. Tick (✓) the THREE correct answers according to paragraphs II and III.

__ (i) Dummies can be used more than once.

__ (ii) Pigs are still used in testing car safety today.

__ (iii) Human volunteers can be used for every test.

__ (iv) Dummies are made in different sizes.

__ (v) The inside of pigs is not very different from the inside of humans.

d. Tick (✓) the correct answer according to paragraph IV.

__ (i) the windscreen.

__ (ii) the airbag.

__ (iii) the safety belt.

e. Tick (✓) the correct answer according to paragraph IV.

Computers can

__ (i) control every detail of a virtual test.

__ (ii) make people hurt people.

__ (iii) not repeat a safety test.

f. Read the main ideas below. Write the paragraph number that each main idea refers to.

Main Idea	Paragraph
1. Different Research Methods	
2. The History of Car Accidents	
3. The Future of Car Safety Research	
4. The Reusable Research Subject	

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